


## Resume

<b>Name of Faculty</b>	Dr. Naitik S. T.	
<b>Qualification</b>	B.E, M.Tech, PhD	
<b>Designation</b>	Assistant Professor	
<b>Area of specialization</b>	Computer Networking & Cyber Security	
<b>Mobile Number</b>	8296502878/7892467758(whatsapp)	
<b>e-mail</b>	<a href="mailto:naithikenator@gmail.com">naithikenator@gmail.com</a> / <a href="mailto:naitik.st-cse@dsu.edu.in">naitik.st-cse@dsu.edu.in</a>	
<b>No. of years of Experience</b>	Teaching: 16 years, inc-Industrial-2.5 years, Research: 10 years	

### Academic Qualification

<b>Ph.D</b>	2025	CSE(Cyber Security)	VTU
<b>M.Tech</b>	2014	CNE,	BNMIT. – 75 %-FCD
<b>B.E</b>	2010	CSE,	BGSIT. - 65%-FC

### Research Profile:

- ❖ <https://scholar.google.com/citations?hl=en&user=maQIbG0AAAAJ>
- ❖ <https://www.scopus.com/authid/detail.uri?authorId=57956726200>
- ❖ <https://www.webofscience.com/wos/author/rid/AAO-1762-2021>
- ❖ <https://orcid.org/0000-0002-6472-7765>
- ❖ <https://www.researchgate.net/profile/St-Naitik>
- ❖ <https://dsu.irins.org/profile/253332>
- <https://vidwan.inflibnet.ac.in/profile/253332>

### Working Experience Details:

Assistant Professor, Dept. Of CSE, School of Engineering, Dayananda Sagar University, From (March 13 to till date)

Assistant Professor, School Computing & IT, REVA University, Bangalore, India- (July 1 to Mar, 2023)

Assistant Professor Dept. of CSE KLS Gogte Institute of Technology, Belgaum, India- (Oct11 to May 24,22)

Assistant Professor Dept. of ISE SCEM, Mangalore, India (July 2015 – Oct 2021)

Cyber Security Consultant Goal Technologies, Pvt.Ltd Bunts Circle, Mangalore (Oct 2012- June 2015)

Lecturer Dept. of CSE GSSIT, Bangalore, India (Aug 2010 – Sep 2012)

### Courses taught:

Introduction to Cyber Security, Computer Networks, Information and Network Security, Cryptography, Internet Of Things, Operating System, Data communication, Network Management System, Storage Area Networks, Information Systems, Distributed Computing, Network Programming, Social Network Analytics etc.

**Industrial experience: Cyber Security Consultant, Goal Technologies, Pvt.Ltd, Mangalore from 2012-2015**

**Technical skills:**

**Programming Languages:** C, C++, Java, HTML, C#.NET

**Networking:** LAN, WiFi, Cisco packet tracer, NMS, NCTUNS, NS2,VPN, NS3

**Security:** Ethical hacking, Penetration Testing, Malware analysis and related tools

**Operating systems:** Windows 7/10, Ubuntu, Kali linux, Backtrack, Tails OS

**Database:** SQL, MySQL

**IDE:** Netbeans, Geditor, Visual studio 2000

## Patents:

### Indian Patent:

Shailesh Shetty, Naitik ST et.al, “ *Enhanced Detection of Attacks on Network based on Pattern Recognitions with Decision Stump* ”, Intellectual Property India, Government of India, 2021

Naitik ST et.al, “ *Blockchain for IoT Security & Privacy for Violation Records*” Intellectual Property India, Government of India, 2022

Mohan, Dr. Manjula V, Shailesh Shetty, Supriya B Rao, Srinivas PM, Supriya, Deepak, Naitik ST, Shankar, “*Pregnancy Monitoring Apparatus to collect Physiological Parameters*”, Intellectual Property India, Government of India, 2021- (**Innovation patent**)

Pavankumar Naik, Naitik ST et.al, “*IDENTIFYNG  $\gamma$ -H2AX FOCI IN DNA*” Intellectual Property India, Government of India, 2023

Dr Chatrapathy K, Naitik ST et.al, “ *An approach to Crop Management System using AI*”, Intellectual Property India, Government of India, 2023, 202241069933.

Naitik ST et.al, “*Credit Card Fraud Detection using Machine Learning*” Intellectual Property India, Government of India, 2023, 202341027918- **DSU affiliation**

Naitik ST et.al, “**Machine Learning Based Fraud Detection For Cloud Banking Using Behavioral Biometrics**”, Intellectual Property India, Government of India, 202511077422 – DSU affiliation

### Professional Memberships:

- The Indian Society for Technical Education (ISTE) Life Member
- Computer Society of India(CSI)
- Cryptology Society of India (CRSI)
- International Society of Applied Computing(ISAC)
- International association of Engineers(IAENG)
- Michigan Association for Computer Users in Learning (MACUL)
- European Alliance for Innovation(EAI)
- The International Society for Applied Computing(ISAC)-RM202310110

### Workshops /Seminars Organized:- *important only*

1. Organized FDP on “Immersive Technologies for Fresh faculties” from 7<sup>th</sup> July to 12<sup>th</sup> July 2025 by CSE department at SoE, Dayananda Sagar University.
2. Organized and Coordinated three days FDP on “AWS with Cloud Computing”, from department of CSE, Dayananda Sagar University, Kudlu gate Campus
3. Organized 1 day workshop on the event ByteBounty- CTF under ACM DSU Student chapter and CSE
4. Organized 6 days International winter school on Cyber Security at KLSGIT, 2022.
5. Organized one day workshop “Techvision 2019” on May01-2019 at Sahyadri College of Engineering & Mngmt, Mangalore
6. Organizer for the faculty development program on “**Big data analytics using Hadoop**” on 19-2-2019 conducted by department of ISE, SCEM. Mangalore in association with ISTE & IEL.
7. Worked as Organizer for 5 days programme “ Sahyadri Science Conclave 2018-a tech fest” from Jan 06 till Jan 10 th,2018 held at Sahyadri College of Engineering, Mangalore.
8. Organizer for two days workshop on “**IOT challenges**” conducted by by Dept. of Information Science and Engineering in association with i3indya Technologies and **IIT Bombay**.
9. Organizer for “**Game-Jam**”- a gaming hackathon conducted by by Dept. of Information Science and Engineering in association with Juego Studio on April 06,2018 at Sahyadri College of Engineering and Mngmt.

### Research Publications:

#### I. In National & International Journals

International Journals: Very important only

1. Langade, A.D., Kanade, T.M. & Naitik, S.T. Comment on “**Multicentric Angiographic Assessment of the Branching Patterns and Anastomotic Network of the Genicular Arteries, with Implications for Genicular Artery Embolization**”. Cardiovasc Intervent Radiol , Springer Nature (2025). <https://doi.org/10.1007/s00270-025-04150-3>
2. Naitik ST, Dr. JV Gorabal, “**DESIGN AND DEVELOPMENT OF MULTIMODAL BIOMETRIC SYSTEM USING FINGER VEINS AND IRIS BY CNN INTEGRATED WITH HYBRID SIO AND WHALE OPTIMIZATION TECHNIQUES**”, Q3/Scopus indexed Journal “International Journal of Interactive Mobile Technologies (iJIM)” impact factor 2.67,with volume 18(22), and year of publication 2024 published by International Association of Online Engineering <https://doi.org/10.3991/ijim.v18i22.50865>
3. Naitik ST, Dr. JV Gorabal, “**Design and Development of Model using Fingervein Authentication**”

- by Convolution Neural Network*”, International Neurourology Journal, Vol- 27, Issue-4, ppno- 709-719, 6-12-2023, Q2 ranked, SCI indexed with Open Access journal.
- 4 Srinivasa Rao B, Naitik ST et.al, “***Improved Deep learning techniques for personality predictions using biomedical signals***”, Computational Intelligence & Neuroscience, Hindawi publishers, 2023-24, **Q1-Scopus, SCI indexed**
  - 5 Dr B Srinivasa Rao, Naitik ST et.al, “***Hybrid Intrusion Detection and Prevention approach using Deep learning and Cryptography Techniques***”, Computational Intelligence & Neuroscience, Hindawi publishers, 2023-24, **Q1-Scopus, SCI indexed**
  - 6 Chitrakiran N, Naitik ST, et.al, “***An Analysis The power consumption Nodes in the adhoc IEEE 802.11 networks***” IEEE xplore, 2023.  
P. Archana P. Divyabharathi S.R. Balaji N. Kumareshan P. Veeramanikandan, S.T. Naitik Shaik Mohannad Rafi Praful V. Nandankar G. Manikandan, “***Face recognition based vehicle starter using machine learning***”, Measurement: Sensors, Elsevier Ltd, <https://doi.org/10.1016/j.measen.2022.10-Q3>, Scopus indexed
  - 7 Sagar Pujar, Girish RD, Naitik ST, Raghavendra Patil, Dr Naveen kumar B, “***Product Integrity Maintenance and Conterfeit Avoidance system based on Blockchain Technology***”, Springer Lecture Notes in Electrical Engineering journal ,2022- Scopus indexed.
  - 8 Gnanjeevan, Kikarthik, Naitik ST, Manikandan U, “***A Novel Approach for Predicting of Network Traffic Congestion using Deep Learning***”, Internet of Things journal, IEEE, 2022.- Scopus indexed
  - 9 Prof. Naitik ST, Dr JV Gorabal, “***Survey on Mutimodal Biometric Authentication System using Fingerveins and Fusion at Match score level***”, IET, Springer journal, 2022- Scopus indexed-accepted
  - 10 Prof. Naitik ST, Dr JV Gorabal, “***A Multi-Biometric Framework Using Finger Impression, Fingervein And Face Pictures***”, International Journal of Scientific Research in Computer Science and Engineering(IJSROCET), p-ISSN(o): 2320-7639.- under review, **UGC approved journal.**
  - 11 Prof. Naitik S.T, Raiton Lobo, Pradnya Shyam Vernekar, Vamshi G Shetty, “***Mitigation of Key Reinstallation Attack in WPA2 Wi-Fi networks by detection of Nonce Reuse***”, International Research Journal of Engineering and Technology (IRJET), Volume 5, Issue 5, May 2018, p-ISSN: 2395-0072, ISO 9001:2008 Certified Journal.- **Cited in IEEE journals**
  - 12 Prof. Girish S, Prof. Naitik ST , “***Distributed Systems and Recent Innovations: Challenges Benefits and Security issues in Distributed systems***”, International journal for science and advance research in technology(IJSART), Volume 4, Issue 5, May 2018, pp. 733-740, ISSN (O) : 2395-1052.
  - 13 Naitik ST, Sangamesh CJ, “***Energy efficient data transmission over Variable Bit Rate mode in underwater wireless sensor networks***”, International Research Journal for Development in Technology(IJRDT), Volume5, Issue 5, May 2016, pp. 213-217, ISSN (O) :- 2349-3585
  - 14 Naitik ST, “***Underwater sensor networks: a transmit energy model***”, International Research Journal for Development in Technology(IJRDT), Volume5, Issue 5, May 2015, ISSN (O) :- 2349-3585

## Papers presented in International/National Conferences

### National & International

1. Naitik ST, “*Energy Efficient Routing Underwater Sensor networks using tree based Multicasting and Geocasting*”, NCETAIT 2016 - National Conference held at AIT, chikamagalur on 29th and 30th January 2016.
2. Naitik ST, Dr. JV Gorabal. “*Survey on Development of Multimodal Biometric System using Fingerveins and Fusion at Matching score level*”, International Conference on Recent Trends in Science and Technology (ICRTST-2021), ATME, Mysore, **IEI-Springer Nature**, 8<sup>th</sup> –9<sup>th</sup> July 2021.
3. Sagar Pujar, Girish RD, Naitik ST, Raghavendra Patil, Dr Naveen kumar B, “*Product Integrity Maintenance and Conterfeit Avoidance system based on Blockchain*”, ERICCA, Springer , NMIT, Feb 26, 2022.
4. Gnanjeevan, Kikarthik, Naitik ST, Manikandan U, “*A Novel Approach for Predicting wide range of Traffic Congestion using Deep Learning Technique*”, IC3IoT 2022, IEEE, Mar 10, 2022.
5. Naitik ST et.al, “*Performance evaluation of the proposed DABR and MLRG protocols using the IEEE 802.15.4*”, ICECAA 2023, IEEE, 19-21 july, 2023
6. Chandra Mouli Venkata Srinivas, Hajiyeva Rena, AR Arunarani, ST Naitik, Mohammed Saleh Al Ansari, Ammar Younas, “*Improved Red Deer Algorithm for Scientific Workflow Scheduling in Cloud Environment*”, IEEE Explore, August 2023, ppno- 662-667.
7. Naitik ST, “*Correlation Based Lightweight Risk Assessment Framework for Advanced Persistent Threat*”, International Conference on Next Generation Digital Technologies, Department of Computer Science & Engineering, AKAL University, Talwandi Sabo, Bathinda, Punjab in Collaboration with Eternal University , Baru Sahib and Central University of Punjab Bathinda, January 3-5, 2024.

### Book Chapters

1. Naitik ST, et.al, “*Principles of Cryptography & Network Security*”, Aasan publications, ISBN: 978-81-962595-5-6, 2023- **Textbook**
2. Naitik ST, Dr JV Gorabal, Dr. MM Kodabagi, Dr. Chatrapathy K, et.al, “*Mobile Radio Communications*”, Digital Convergence in Antenna design for Real time applications, Wiley-Scrivener, Scrivener Publishing, 2022.
3. Naitik ST, Dr JV Gorabal, Dr. MM Kodabagi, Dr. Chatrapathy K, et.al, “*Energy efficient algorithms in computing*”, Energy Systems Design for Low Power Computing, IGI Global publishers, 2022.
4. Naitik ST, Dr JV Gorabal, Dr. MM Kodabagi, Dr. Chatrapathy K, et.al, “*Self powered Cyber physical systems- Design & applications*”, Wiley-Scrivener, Scrivener Publishing, 2022.
5. Naitik ST, Dr JV Gorabal, Dr Chatrapathy K, “*Threat & attack models in IOT Devices*”, Security of IOT Nodes, **CRC press, Taylor & Francis group**, 2020-21.
6. Naitik ST, Dr. Chatrapthy K, et.al, “*Photonic Communication Systems & Networks*” Modelling and Optimization of Optical Communication Networks (MOOCN 2021), Wiley Scriviner publications, Scopus indexed, 2020-21.

7. Naitik ST, Dr. Ananth Prabhu, “*Development of Deepfake video and audio detection using CNN and RNN framework*” Advancements in Cyber Crime Investigation and Digital Forensics(ACCID 2021), Apple academic Press, 2021.
8. Naitik ST, Dr. JV Gorabal, Sangeetha Harikantra, “*Applications of Machine Learning in cyber security*”, Cyber Security & Digital Forensics: Challenges & Future Trends, Wiley Scriviner publications, Scopus indexed, 2020-21
9. Naitik ST, Dr. Chatrapathy K, Sangeetha Harikantra, “*Machine learning based Solution to security attack in Multimedia*”, Advanced Security Solutions for Multimedia, IOP publications, 2020-21.

### **Participation in Training courses/Seminars/Workshops**

1. Participated as Delegate in PRAJNA 2015, a symposium conducted by Ramkrishna Mutt, Mangalore.
2. Participated in the seminar “ Reciepe for success” organized by MBA dept at SCEM, Mangalore on 19/12/15.
3. Participated as delegate in 103rd Indian national science congress conference held at UOM, mysore on 3-7th Jan 2016.
4. Participated in seminar on “Research Methodology” conducted by MBA Dept at SCEM on Jan 8th 2016.
5. Participated in one day seminar on “ Applications of Mathematics in Engineering” held at SCEM,
6. Participated in the Tech Vision 2018 held at SCEM, Mangalore as Co-ordinator.
7. Participated in the “System Design “ workshop conducted by Prof. Joseph Sifhakis- a Turing awardee in Computer Science held at SCEM, Mangalore.
8. ICSIP2014 international conference held at BNMIT, Bangalore on July4, 2014.
9. Participated in workshop of “ Android app development” conducted by Dept of CSE, BNMIT, Bangalore.
10. Participated in Cyber security and cyber crime workshop held at GTU,Ahmedabad,2018.
11. Participated in one day seminar on “ Applications of Mathmatics in Engineering” held at SCEM, Mangalore.
12. Participated in FDP on Cyber Security, IOT and Privacy issues in Blockchain technology held at MIT, Manipal in association with TCS, Bangalore. 2018

## **Invited talks/lectures:**

As Cyber expert invitation from Akashavani Mangaluru on the special talk on “ Cybercrime and awareness for Youth” Darideepa programme, 2021.

Invited as Speaker for delivering expert talk on “ Security in Digital payments” at International Winter School on Cyber Security, 2022

Invited as expert to deliver talk on “Cyber security and Cyber crime awareness”, AIEM, Bhatkal, 2022.

## **Awards-Projects sanctioned**

1. **Naitik ST, Dhiren CR, Aayush Sharma, et.al, first place in the Project Expo 2k25 on 24<sup>th</sup> may 2025 at Dayananda Sagar University**
2. Prof Naitik ST, Abhishek B, Akarsha CM, Shamanth raj & Sunith Acharya, “*Design and Development of Underwater Communication Model using LiFi for Private Communication between Submarines*”, a KSCST sanctioned project on 43 rd Student project series by GoK,2020
3. **Prof Naitik ST, Dr. Ananth Prabhu, “ Development of Deepfake video and audio detection using CNN and RNN framework”**, a CySeck- autonomous Cyber Security organization, Government of Karnataka- 2 lakhs funded, 2021
4. Prof. Naitik ST, Prof. Srinivas PM, “**Design and development of low cost Finger Vein Authentication device for enhanced fool proof Authentication system in Digital Identity**”, RGSF scheme by VGST,GoK,2020-21

## **Professional Courses completed**

1. Practical Cyber Security for Cyber Security Practitioners, Swayam-NPTEL, jul-oct 2024 by IITKanpur
2. **Cyber Hygiene Practitioner certified by ISEA, Government of India**
3. Ethical hacking- NPTEL-Elite silver rank,2019
4. Certificate of competency in Fundamentals of Deep Learning for Computer Vision-Nvidia
5. Introduction to Cyber security-Swayam, GoI- Elite silver rank,2019
6. Introduction to Cyber Security-Udemy ,2020
7. Introduction to Cyber Security – Simplilearn ,2020
8. Detecting and Mitigating Cyber threats and Attacks-University of Colarado, Coursera,2020
9. KIC-TEQIP course on User centric mobile computing held at IIT Guwahati on 16,17,18th Dec 2015
10. Undergone Ethical Hacking Professional (EHP) course at Manadamus consultants organized by Govt. of Karnataka led by KEONICS.

- 11.** Google certified Computational thinking educator.
- 12.** Diploma in Information Technology and Mngt from ALISON.

## Projects Guided:

Diploma- 5

Undergraduate-90

Postgraduate- 25

### Some of the interesting Titles:

- Enhancing the Security of Naval Communication by integration of Encryption to Morse code
- Mitigation & Detection of Stored XSS attack using Hybrid Analysis
- Identifying HTTP DDOS Attacks Using Self Organizing Map and Fuzzy logic in Internet Based Environments
- Database Security Against SQL Injection Attacks Using Three Level Security Approach
- Key Re-installation Attacks: Forcing Nonce Re-use in WPA2
- Optimizing Windows10 Logging to Detect Network Security Threats
- SQL Attack Scanner Using Boyer-Moore String Matching Algorithm
- Energy Efficient Geocasting and Routing in the Muthop WSN etc.
- Enhancing User Authentication Process in Aadhaar linked Services using DNA Indexing & AES Encryption Techniques.
- Detection of Malicious Websites by Enhancing Prediction Rate using Random Forest.
- Detection and Classification of URL into Phished or Legitimate using Logistic Regression and Decision Tree

## FDP/Webinars attended:

Organized by ISEA, COE-Cyber Security-GoK , ICT Academy-GoK & many premier institutes during Covid 19 pandemic breakdown, AICTE ATAL FDP on Cyber Security, ICT Academy FDP on Cyber Security, KSCST & IISc CySecK- GoK organized webinars

## Roles & Responsibilities held- significant only

- Invited as PC Member for IDEA2k22 international conference in 2022.
- Antiragging Squad team member at School of Engineering, Dayananda Sagar University
- Reviewer for chapter titled “***Implementation and analysis of Machine Learning and Deep Learning algorithms***”, Design of Intelligent System using Machine Learning and Deep Learning book, CRC Press
- **Reviewer for Wireless Personal Communications, Springer publishers**
- DCS duty from VTU Examinations Jan/Feb 2021
- Cyber security, forensics & Cyber crime Researcher
- Public speaker-cyber crime awareness
- Active research group core member
- Delivered the technical talk on User centric mobile computing at Sahyadri College Of Engineering and Management, Mangalore on 10-12-2015
- **Reviewer** for International Journal of Computer Science Letters.
- Department Placement Co-ordinator
- Reviewer for IJCSL international journal
- Selected as BOE for DTE practical exams during 2014-15.
- Member in the editorial board of IAENG International Computer journal
- Worked as Co-ordinator for Social Innovation projects at Sahyadri college of Engineering, Mangalore.
- Worked as NAAC member at Sahyadri college of engineering, Mangalore.
- Working as member in editorial board for Sahyadri Research E-journal.
- Active educational counselor
- Worked as representative for Rooman technologies in PMKY job fair 2016 held at SCEM, Mangalore.
- Working as a Guest Editor for IJRT international Journal for Computer Networks section.
- Department Internship & Project Coordinator

**Personal Details:**

Father's name: Tuloji Rao SB  
Date of birth: 11-01-1989.  
Gender: male  
Marital status: married  
Languages known: English, Kannada, Hindi, Marathi  
Address: S/O Shri. Late Tuloji Rao SB, Kotta, Amtekoppa post, Shikaripura,  
Shimoga- 577427  
Hobbies: Reading magazines, listening to music, reading, hacking  
Newspapers Surfing internet, swimming.

**Declaration:**

I consider myself familiar with Computer Science Engineering & Computer Networking & Cyber Security aspects. I am also confident of my ability to work in a team. I hereby declare that the above-mentioned information is correct upto my knowledge and I bear the responsibility for the correctness of the above-mentioned particulars.

Date: 6-10-2025

Place: Bangalore

Yours Sincerely

**Naitik S.T.**























