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**Dr. NEETHU V. A.**

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### **OBJECTIVE:**

Goal-oriented and innovative professional with extensive experience in computer science engineering, programming, data management, and presentation skills. Bringing advanced technical knowledge and leadership experience from academic and research environments, seeking to leverage these skills to drive business growth, optimize data-driven strategies, and lead technology-focused projects within a corporate setting.

### **PROFESSIONAL EXPERIENCE**

- **Assistant HOD, Assistant Professor, Trinity College of Engineering (Kerala Technical University), Pravachambalam, Thiruvananthapuram, Kerala  
June 2025-Present**
  - Served as **First-Year Class Coordinator**, managing academic and administrative responsibilities of first-year students.
  - Guided students in course selection, registration, academic planning, and scheduling to ensure smooth academic progression.
  - Monitored student attendance, academic performance, and progress, implementing timely interventions for improvement.
  - Acted as the primary liaison between students, faculty, parents, and management to address academic and personal concerns.
  - Organized orientation and induction programs to facilitate students' transition into college life.

- Conducted regular parent interactions to communicate student progress and overall development.
- Provided one-on-one mentoring, remedial classes, and continuous academic support for slow learners and struggling students.
- Coordinated with faculty members to ensure effective curriculum delivery, internal assessments, and evaluation processes aligned with Outcome-Based Education (OBE).
- Managed and coordinated Arts and Cultural activities, encouraging student participation in intra-collegiate and university-level competitions.
- Supervised and organized Sports activities, promoting active student involvement in sports events and tournaments.
- Coordinated and facilitated the smooth conduct of KTU University election activities at the institutional level, ensuring adherence to university guidelines and maintaining discipline.
- Contributed actively to departmental administration, including timetable preparation, workload distribution, academic planning, and documentation.
- Participated in curriculum development, syllabus mapping, academic audits, and departmental review meetings.
- Played a key role in NAAC accreditation processes, including criteria-wise documentation, data compilation, and report preparation.
- Assisted in AICTE inspection preparation by maintaining records, ensuring regulatory compliance, and coordinating verification procedures.
- Actively participated in faculty development programs, workshops, seminars, and institutional quality assurance initiatives to enhance academic standards.
- Strengthened cross-disciplinary collaboration through active engagement in departmental meetings and institutional activities.

➤ **Assistant Professor, Parul University, Vadodara, Gujarat.**

**July 2024- December 2024**

- Guided students in their academic journey, providing support for course selection, registration, and scheduling.
- Monitored student attendance, academic progress, and performance, ensuring timely interventions when needed.
- Served as the primary point of contact between first-year students and faculty, addressing academic or personal concerns.
- Organized orientation programs and activities to help students adjust to university life.
- Facilitated regular communication with parents regarding student progress and performance.
- Coordinated with other faculty members to ensure consistent curriculum delivery and evaluation.
- Helped struggling students by providing support outside of classrooms and consistently checking in on progress.
- Enhanced cross-disciplinary collaboration through active participation in departmental meetings and workshops.
- Designed and implemented various educational activities and programs to meet student needs.
- Increased academic achievement by providing one-on-one mentoring and support to struggling students.

➤ **BCA Lecturer in Adarsh College of Profession Studies, Abu Road, Rajasthan**

**Responsibility:**

- Cultivated critical thinking skills through challenging assignments that required analysis, synthesis, and evaluation of information from various sources.

- Developed semester outlines and instructional plans for each class session to comply with stated course objectives.
- Participated in professional development opportunities to stay current with industry trends and continuously improve instructional approaches.
- Developed strong relationships with colleagues, collaborating on curriculum development and sharing best practices in teaching strategies.
- Developed and supervised various laboratory activities for computer science courses.

➤ **Assistant Professor, Madhav University, Abu Road, Rajasthan.**

**1st January 2022 -31st May 2024**

- Delivering lectures and mentoring undergraduate and graduate students
- Supervising laboratory activities related to computer science courses.
- International Conference Coordinator: Organized international conferences hosted by the university.
- Biometric Coordinator: Assigned duties as a biometric coordinator for government exams held within the university premises.
- NAAC Committee Member: Served as a member of the NAAC committee responsible for data collection and formatting.
- Curriculum Development: Contributed to the development of new syllabi for Bachelor and Master of Computer Science Engineering by the National Education Policy (NEP).
- Dissertation Guide: Provided guidance to students for their Bachelor's and Master's dissertation projects in Computer Science Engineering.
- Helped struggling students by providing support outside of classrooms and consistently checking in on progress.
- Enhanced cross-disciplinary collaboration through active participation in departmental meetings and workshops.
- Designed and implemented various educational activities and programs to meet student needs.

- Increased academic achievement by providing one-on-one mentoring and support to struggling students.
- Impartially evaluated students' papers, projects and homework assignments, delegating grading to teaching assistants when appropriate.
- Reviewed program materials and coordinated updates to keep department materials relevant and accurate.
- Demonstrated strong interpersonal and communication skills, resulting in clear subject-matter discussion with students.
- Maintained an up-to-date knowledge of the subject matter by attending conferences, workshops, and webinars relevant to the field of study.

### **ACADEMIC RECORD**

- **Ph.D. in Computer Science Engineering** at Madhav University, Rajasthan  
**Ph.D. Viva Voce successfully completed on 05th October, 2025.**  
 Research Topic: **"INTEGRATION OF BLOCKCHAIN TECHNOLOGY, QUANTUM CRYPTOGRAPHY AND CLOUD COMPUTING".**
- MTech Computer Science Engineering from **Anna University**, Chennai and secured degree with first class in the year 2015.
- B.E. in Computer Science Engineering from **Anna University**, Chennai and secured degree with first class in the year 2013.
- XII from Matriculation Board, passed with first class in the year 2009.
- X from Matriculation Board, passed with first class in 2007.

### **PROJECT:**

- **Profile 1 :** A Dependable and Secure Data Auditing Scheme For Cloud Computing.
  - **Brief:** The user ensures that the data are being correctly stored and maintained with the help of TPA(Third Party Auditor).
- **Profile 2 :** Enabling Secure and Efficient Ranked Keyword Search Over

Outsourced Cloud Data.

- **Brief:** Define and solve the problem of secure ranked keyword search over encrypted cloud data.
- **Profile 3:** Improving The Efficiency Ranked Keyword Search Over Cloud Data.
  - **Brief:** It can be used for order-preserving symmetric encryption to protect the cloud data. Mainly focusing on searching methods will improve the efficiency of searching.

**JOURNAL PUBLISHED:**

1. “Enhancing Data Privacy and Integrity in Cloud Systems Through Blockchain and Quantum Cryptographic Integration”,  
<https://doi.org/10.52783/jisem.v10i16s.2559>, JISEM\_02/25\_2504GR, (**Scopus Journal**)
2. “Hybrid Security Models for Cloud Systems: Blockchain and Quantum Cryptographic Integration" (PAPER014487-1)”, The International Journal of Information Engineering and Electronic Business: 2074-9023 (Scopus Journal).  
<https://www.mecs-press.org/ijieeb/ijieeb-v17-n6/v17n6-8.html>
3. “Quantum Computing in Medical Imaging and Diagnostics: Advancements and Applications”, Indian Journal of Natural Sciences, Ref: **IJONS/VOL-16/ISSUE 89/April/2025. (WOS Journal)**

4. “Securing Data Privacy and Integrity in Cloud Computing Using Blockchain and Quantum Cryptography”, <https://doi.org/10.63278/1415>, Metallurgical and Materials Engineering, ISSN:2217-8961 (WOS-ESCI).
5. “Enhancing Cloud Security and Data Privacy with Blockchain and Quantum Cryptography”, <http://doi.org/10.1729/Journal.43690>, International Journal Of Creative Research Thoughts (IJCRT), ISSN:2320-2882(Peer Reviewed)
6. “Integrating Blockchain and Quantum Cryptography in a Hybrid Security Model for Cloud Systems”, <https://doi.org/10.22214/ijraset.2025.69333> , International Journal for Research in Applied Science and Engineering Technology (IJRASET), ISSN:2321-9653(Peer Reviewed)
7. “ Strengthening Cloud Security Against Cyber Attacks: Integrating Blockchain and Quantum Cryptography for Enhanced Integrity and Protection”, <https://www.doi.org/10.55041/IJSREM45949> , International Journal of Scientific Research in Engineering and Management (IJSREM), ISSN : 2582-3930 on Volume 09, Issue 04 April 2025.
8. “An Energy-Efficient Hybrid Security Model for Large-Scale Cloud Systems: Integrating Blockchain, Quantum Cryptography, and Post-Quantum Algorithms”, <https://doi.org/10.59231/SARI7813>, Shodh Sari- An International Multidisciplinary Journal, Vol.04 Issue 02, April-June 2025.

9. ” Next-Gen Cloud Protection: Leveraging Blockchain and Quantum Cryptography Against Cyber Threats “, AIP Conference Proceedings ISSN No. 1551-7616, April 2025.

10. “Quantum Computing: Assessing the Threat to Supercomputer Security and Mitigation Strategies”, Madhav Research and Review, ISSN: 2455-5851(Peer Reviewed)

**PATENT PUBLISHED:**

- “Quantum-Resistant Blockchain Analysing Device” on 29 July 2025.
- “Air Based Pathogen Detection Device” on 29<sup>th</sup> June 2025.
- ” Electronic Battery Tester with Network Communication” on 01 September 2023.
- “Solar Powered Hybrid Multi-mode water wheeler “on 17<sup>th</sup> October 2023.

**BOOK PUBLISHED:** Titled "ENTREPRENEURSHIP DEVELOPMENT" with ISBN Number:978-93-5638-000-4

**PAPER PRESENTED IN NATIONAL CONFERENCES**

- Presented in International Conference on Recent Innovations in Computer Science Engineering & Information Technology (ICRICEIT -23) titled on “Investigation of Energy Efficient Clustering and Route Distribution Among Routing Protocols for VANET”, 24<sup>th</sup> &25<sup>th</sup> Feb 2023
- Presented in International Conference on Engineering & Technology-

ICIDET- 2022, titled on “Advanced Review on Deep Learning in Skin Cancer”,31<sup>st</sup> March 2022.

- Presented in International Conference on Engineering & Technology ICRICEIT- 2022, titled on “IOT:A Presented in International Conference on Engineering & Technology- ICIDET- 2022, titled “Design and Analysis of Routing Protocol using VANET”,31<sup>st</sup> March 2022.
- Presented in International Conference on Engineering & Technology- ICONET’15 paper presented on “Storing Shared Data on the Cloud Via Security –Mediator with enhanced security”,31<sup>st</sup> March 2015.
- “Quantum Cryptography and Cloud Integration: A New Era for Blockchain scalability and security”, Paper presented at International Conference on Innovation on Impact of Digital Globalization on Traditional Culture, Media, Language, Education, and Politics, Madhav University15-16 April 2024.
- “An Energy-Efficient Hybrid Security Model for Large-Scale Cloud Systems: Integrating Blockchain, Quantum Cryptography, and Post-Quantum Algorithms” Paper presented at International Multidisciplinary conference on “Approaches to Bridge Sciences, Engineering and Humanities, Jaipur, on February 15, 2025 and also awarded “**Best Paper Presentation Award**”.
- “Next-Gen Cloud Protection: Leveraging Blockchain and Quantum Cryptography Against Cyber Threats” Paper will be presented at International Conference on Computational Intelligence and Industries 5.0, Velammal Institute of Technology, Chennai on March 21-22, 2025.

- “Cost Impact of Post-Quantum Cryptography in Blockchain-Based Cloud Computing for Securing Data” paper at ICIAS, SPSU University, Udaipur on 5<sup>th</sup> October 2025 and also awarded “**Best Presentation Award**”.

#### **WEBINAR & FDP ATTENDED:**

- Participated in online course **ISRO “Basics of Geo computation and Geo web Services** “ on 29 October 2020
- Participated in online course Webinar “Achieving Problem –Solution Fit and Product Markets Fit “ on 19 Jan 2022
- Participated in online course Webinar “Installation of C & C++ “ on 24 Feb 2022
- Participated in online course Webinar “INTERNET OF THINGS AND VANET “dated 25th Feb 2022.
- Participated in online course Webinar “Project Planning And Construction Management “on 9th March 2022
- Participated in online course Webinar “VASTHU TIPS FOR NEW HOME” on 10th March 2022.
- Participated in online course Webinar “GREEN CLOUD COMPUTING “on 26th March 2022.
- Participated in online course internship “Campus Leader at Tech Learn. live“on 12th April 2022.
- Participated in online course **ISRO “Geoprocessing Using Python** “ on 17 to 28 July 2023.
- Participated in online course National “Intellectual Property Awareness Mission” on 23 July 2023.
- Participated in online course Program in HTML, CSS and Javascript offered by the Digital Adda.

- Participated in a 10-day workshop on “Capacity Building Program in Cyber Security & its investigation” on May 2023.
- Participated in the one-day national webinar by ”E-resources for Medical Research”, on 15<sup>th</sup> July 2023.
- Participated in online IP Awareness / Training Program under “ National Intellectual Property Awareness Mission “ on 26<sup>th</sup> July 2023.
- Participated in online webinar “Adobe Academic Essentials” program on 2023
- Participated online five-day workshop on ” Recent Developments in Neural Networks and Embedded RTOS”, in October 2023.
- Participated in one-week FDP “ Green Biotechnology and Bioenergy “, 18<sup>th</sup> - 24<sup>th</sup> December 2023.
- Participated in five days of FDP “The Future of Generative AI in Academic Research and Publishing” on 2<sup>nd</sup> Jan -6<sup>th</sup> Jan 2024
- Participated in National Webinar on “Entrepreneurship Skill, development and Attitude “ on 20<sup>th</sup> Jan 2024.
- Participated in National Webinar on “Best Preparation and Practices for Improving National Institutional Ranking Framework (NIRF)” on 29<sup>th</sup> Jan, 2024.
- Participated online workshop “Drone Technology “ on January 2024.
- Participated in seven days of FDP “Latest trends and Techniques in Software Engineering”, 20<sup>th</sup>-27<sup>th</sup> January 2024.
- Participated in five days of FDP,” Cognitive Computing on Smart application”, 20<sup>th</sup> -22<sup>nd</sup> March 2024.
- Participated in six days of **AICTE Training and Learning (ATAL) Academy Faculty Development Program on Quantum Computing: Foundations, Algorithms, and Industry Applications for Next-Generation Technologies**

**(QCFAIANGT) at JAGAN INSTITUTE OF MANAGEMENT STUDIES** from 17/11/2025 to 22/11/2025.

- Participated in six days of **AICTE Training and Learning (ATAL) Academy** Faculty Development Program on **Quantum Intelligence: AI-Quantum Convergence in Cyber defenses and Space Technologies** at **PANIMALAR ENGINEERING COLLEGE** from 01/12/2025 to 06/12/2025.
- Participated in six days of **AICTE Training and Learning (ATAL) Academy** Faculty Development Program on **AI-POWERED IMAGINATION: EXPLORING THE BOUNDARIES OF GENERATIVE MODELS** at **GEETANJALI INSTITUTE OF TECHNICAL STUDIES** from **08/12/2025** to **13/12/2025**.
- Participated in six days of Faculty Development Program on **AI for Sustainable Development Goals** at **Vishwakarma Institute of Technology** from **01/12/2025** to **05/12/2025**.

#### **ONLINE CERTIFICATE COURSES:**

- Programming Hub certified on
  - HTML Certification course
  - Ethical Hacking
  - Machine Learning
  - Artificial Intelligence
  - Fundamental Certification Course
  - Data Science
  - Cryptography
- Grasshopper certified on
  - Animation
  - Coding Fundamental

- Coding Fundamental II
  - Array Methods
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- Great Learning Academy online course attended “Block Chain Process”
  - Pantech E-Learning 21 days “Masterclass on Generative AI”
  - Pantech E-Learning 21 days “Amazon Web Services (MLOps) Masterclass
  - **Attending the "Advanced in Cloud Computing" Intelli Paat course**

### **FIELD OF INTEREST:**

- Programming and Coding
- Research and Reading
- Exploring New Technologies

### **SKILLS**

- Creative Questioning
- Student Counseling
- Mentoring students
- Conference presentations
- Problem-solving aptitude
- Self-Motivation
- Syllabus Development
- Student assessment
- New Technology Learning
- Ethics in Research
- Project Management

### **PERSONAL DETAILS**

Name : Neethu V. A.  
Husband's name : Mr. Arun Chandran  
Gender : Female  
Date of birth : 21<sup>st</sup> March, 1992  
Nationality : Indian  
Marital status : Married  
Mobile no. : +917201971716  
Email id : arunchandranneethu@gmail.com  
arunchandran.beme@gmail.com  
Address : Anjali ,Njalara ,Venganoor,  
Thiruvananthapuram, Kerala

### **DECLARATION:**

I hereby declare that all the information provided herein is correct to the best of my knowledge.

DATE: 21<sup>th</sup> February, 2026.

PLACE: Thiruvananthapuram (Kerala).

**(NEETHU. V. A)**