Dr. Bhanupriya Mishra

Focused data science professional well-versed in identifying strategic opportunities to benefit business. Systematic and driven with strong attention to detail and dedication to developing and managing successful analytical processes.

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WORK EXPERIENCE

Data Scientist
NDS Infoserv

01/2024 - Present   *Mumbai*

Working as a Data Scientist in a Healthcare Project in NDS Infoserv, Mumbai with the expertise in data visualization, Statistical Analysis where i have created a software to automate manual coding of medical charts. Possesses the ability to translate complex data into clear insights by using Python that improve patient care and inform policy decisions.

Assistant Professor
Garv Institute of Management and Technology

07/2012 - 04/2017   *Bhilai*

EDUCATION

Ph. D (Biomedical Engineering)
National Institute of Technology (NIT) Raipur, Chhattisgarh

08/2018 - 01/2024   *Raipur*

Courses

- **Thesis :-** Assessment of vascular damage at early stage of type 2 diabetes mellitus using Photoplethysmogram.

M-Tech (Control System)
Lakshmi Narain College of Technology, Bhopal Madhya Pradesh

Courses

- A novel approach for iris recognition system using dual tree complex wavelet transform.

B.E. (Electronics & Instrumentation)
Chhatrapati Shivaji Institute of Technology, Durg Chhattisgarh

SKILLS

Machine learning   Deep learning   Data Science

Biomedical signal processing   Artificial Intelligence

VLSI, Control system, Imaging system.   SQL

MATLAB, Python   Statistical Analysis

Problem Resolution   Data Visualization

LLM Model

JOURNAL PUBLICATIONS

SCI (Impact Factor - 6.0)
- Mishra, B., Nirala, N., & Singh, B. K. (2023). Type-2 diabetes identification from toe-photoplethysmography using Fourier decomposition method. Neural Computing and Applications, 1-15. [SCI, Impact Factor: 6.0].

SCIE (Impact Factor: 2.3)
- Mishra, B., Nirala, N., & Singh, B. K. (2023). Photoplethysmography signal-based automated diagnosis of type-2 diabetes using tunable-Q wavelet transform and least-square support vector machine classifier. Signal, Image and Video Processing, 1-10.

E-SCI + Scopus
- Mishra, B., & Nirala, N. (2023). Identification of type-2 diabetes by electrocardiogram signal using flexible analytical wavelet transform. International journal of Biomedical Engineering and Technology, 1-20

Scopus
- Mishra, B., & Nirala, N. (2023). Type2 Diabetes Classification from Short Photoplethysmogram Signal Using Multiple Domain Features and Machine Learning Techniques. Research on Biomedical Engineering, 1- 20.

Conference
- Mishra, B., & Nirala, N. S. (2020, November). A survey on denoising techniques of PPG Signal. In 2020 IEEE international conference for innovation in technology (INOCON) (pp. 1-8). IEEE.

LANGUAGES

Hindi
Native or Bilingual Proficiency

English
Full Professional Proficiency

TRAININGS

LabVIEW Programming Basics Workshop conducted by Tech Smart System, Pune