



Ram Vikas Mishra

Research Scholar — AI Enthusiast — Python Developer

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PERSONAL INFORMATION

Father's Name: Manoj Mishra
Languages: English (Professional),
Hindi (Native)
Date of Birth: July 27, 2002
Nationality: Indian

EDUCATION

Ph.D. 2024 - 2027	Computer Science and Engineering IIT Guwahati , North Guwahati , Assam	On-going
M.C.A. 2022 - 2024	Department of Computer Science Banaras Hindu University, Varanasi	78.94%
B.Sc. (H.) Physics 2019 - 2022	Bhaskaracharya College of Applied Sciences University of Delhi, New Delhi	81.89%
Class XII 2019	Heritage Children Academy, Rampur Central Board of Secondary Education	92.2%
Class X 2017	Heritage Children Academy, Rampur Central Board of Secondary Education	95%

TECHNICAL INTERESTS

- Artificial Intelligence
- Large Language Models
- Agentic AI Systems
- Quantum Computing
- Computer Vision
- Web Deployment
- Internet of Things (IoT)
- Automation Systems
- Embedded Systems

TECHNICAL EXPERTISE

- Languages:** Python, C++, Java
- Data:** Pandas, NumPy
- IoT:** Arduino, Raspberry Pi
- AI/ML:** TensorFlow, PyTorch
- Web:** JavaScript, Flask, Django
- Tools:** Git, LaTeX, SQL

PUBLICATIONS

- Design of Home Automation System with Emergency Control** 2024
Journal of Scientific Research, Vol. 16 No. 1
- Transforming Conventional Switching Systems to Cost-Effective, Adaptable, Energy-Efficient Smart Switching Systems** 2023
Journal of Scientific Research, Vol. 15 No. 1

RESEARCH PROJECTS

- **AeVP: Interactive Autoencoder Visualization Project** *May 2025*
A web-based lab for building and training Convolutional Autoencoders in-browser, with live Chart.js loss visualizations. Explore encoder/decoder activation maps, manipulate latent bottleneck sliders, and observe real-time reconstructions to intuitively grasp compressed representations. *URL: <https://rvmishra.in/DA623>*
- **Named Entity Recognition for Research Articles** *April 2024*
Developed an advanced NLP system that identifies and extracts entities such as institutes, authors, organizations, and key concepts from research papers. Implemented state-of-the-art techniques to enhance information retrieval and knowledge management in academic literature.
- **Facial Recognition Attendance System** *February 2023*
Designed and implemented an AI-powered attendance tracking system using computer vision and facial recognition algorithms. The system automates student attendance across various courses, providing real-time tracking and comprehensive analytics for educational institutions.

PROFESSIONAL DEVELOPMENT

- **AI Applied / Data Scientist Training Program** *6 months, 2023-2024*
Comprehensive training in machine learning algorithms, deep learning frameworks, and data analysis methods.
- **Qubit by Qubit - Introduction to Quantum Computing** *1 year, 2022-2023*
IBM-sponsored certificate course covering quantum mechanics fundamentals, quantum algorithms, and practical applications.
- **Research Internship on Routing Protocol Design** *1 month, 2022*
NIT Delhi - Developed efficient routing protocols for Wireless Sensor Networks focused on energy optimization.

ACADEMIC ACHIEVEMENTS

- First place in the inter-college **Project Exhibition** hosted by the Electronics Department at DDU College, showcasing innovative technological solutions.
- Top position in **Circuit Designing Competition** at BCAS College, University of Delhi, demonstrating exceptional proficiency in electronic circuit design and implementation.

EXTRACURRICULAR ACTIVITIES

- **Robotics Club Member** at IIT Guwahati and previously at IIT BHU, participating in robotics workshops and competitions.
- **Photography Enthusiast** - Active member of **Obscura Photography Club**, documenting campus events including Sports Day and departmental festivals at BHU.
- **Campus Automation Project** - Successfully automated the lighting systems in departmental laboratories at BCAS, University of Delhi, implementing energy-efficient solutions.

I hereby declare that the information provided in this resume is accurate and true to the best of my knowledge.

Ram Vikas Mishra
May 15, 2025