

Nupur Mestry

Linkedin: <https://www.linkedin.com/in/nupur-mestry-815167297>

Email: nupurmestry098@gmail.com

Mobile: +91 7517706118

[Hackerrank](#) | [LeetCode](#) | [Github](#)

EDUCATION

Marathwada Mitra Mandal's College of Engineering

2022 - Present

Bachelor of Engineering in Artificial Intelligence and Data Science (8.25)

Pune, India

EXPERIENCE

Research Publication

Remote

Published Research Paper on "Traffic Management using Holographic Projection"

Nov 23

- Researched and developed innovative approaches for managing traffic flow using holographic projection technologies.
- Authored and presented findings in a well-regarded journal, demonstrating expertise in research and technical writing.

Smart India Hackathon

College-Level

Cleared Internal Round

Oct 2024

- Conceptualized and proposed innovative solutions for real-world problems as part of the prestigious Smart India Hackathon.
- Demonstrated strong teamwork and creative problem-solving, successfully qualifying for the next competitive stage.

ACHIEVEMENTS

- **Participated** in International Conference "Global Conference on Sustainable and Futuristic Technologies 2023 (GConSFT-2023)"
- **Volunteered** for Volship Program at UNICEF, contributing to social initiatives and community welfare.
- **Participated** in a 24-hour Internal Hackathon, showcasing innovation and teamwork under time constraints.

PROJECTS

Traffic Control System using Holographic Projection | *Python, Holographic Display, IoT*

- Developed an innovative **traffic control system** leveraging holographic projection for real-time traffic management.
- Designed and simulated holographic displays to present traffic signals and directions in real time.
- Integrated the system with IoT-enabled sensors for accurate traffic data collection and analysis.
- Utilized hardware components for deploying a scalable and efficient holographic traffic control mechanism.

Med Connect (Health Application Aggregation) | *React Native, Firebase, Django*

- Built a **health application aggregator** to connect users with doctors, and health services on a single platform.
- Developed user-friendly features such as **appointment booking**, **pharmacy integration**, and health tracker modules.
- Implemented secure **authentication** and **data management** using Firebase.

Cab Fare Aggregation System | *Node.js, MongoDB, React.js*

- Developed a **cab fare aggregation platform** enabling users to compare and choose the most cost-effective rides.
- Implemented robust features for **dynamic pricing**, fare comparison, and integration with ride services.
- Optimized backend services for fast, real-time fare calculation.

SKILLS

- **Languages:** C, C++, Python, SQL
- **Frameworks and Tools:** Django, Flask
- **Data Science Tools:** Pandas, NumPy, Matplotlib, Jupyter Notebook
- **Databases:** MySQL, MongoDB
- **Other:** HTML, CSS, Problem-Solving

SOFT SKILLS

- **Critical Thinking:** Strong ability to analyze and solve complex problems in an efficient manner.
- **Communication:** Effective communicator, both written and verbal.
- **Teamwork:** Experienced in collaborating with cross-functional teams in a competitive environment.

COURSES

- Artificial Intelligence, Data Science, Machine Learning, Algorithms, Object-Oriented Programming.