RIYA PRASHANT MANDAOGADE

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Education

Vellore Institute of Technology, Bhopal	**September 2022 – May 2026 (Expected)**
Bachelor of Technology, Computer Science Engineering	*CGPA: 8.14*
PACE Junior Science College, Navi Mumbai	**January 2021 – May 2022**
Higher Secondary Education	*Percentage: 74.3%*
Apeejay Education Society, Navi Mumbai	**January 2019 – May 2020**
Secondary School Certificate	*Percentage: 93.4%*

Projects

Impromptu | Jan 2024 – May 2024

- A facial recognition-based social media website that utilizes ML for image organization, real-time interaction, and ensuring secure user authentication.
- Utilizes CNN and OpenCV for image sorting and authentication with MongoDB, Node.js, and Express.js.
- Features dynamic feeds, simple messaging via WebSockets, and interactive UI.
- Trained on a dataset of 30-35 images, achieving 35-45% accuracy, with potential improvements through larger datasets.

Urban Planning using Remote Sensing Image Interpretation | August 2024 – April 2025

- Designed a predictive model for Sehore (within 100km) to tackle issues like zoning, traffic, water resources, and sustainable land usage using GIS tools (QGIS), remote sensing imagery, and government census data.
- Extracted road features (density, connectivity, flow) and integrated them with population forecasts to identify infrastructure gaps and propose road expansion strategies.
- Tackled data limitations with preprocessing, feature engineering, and regularization; achieved $R^2 > 0.90$ with XGBoost for population prediction

Technical Skills

Languages: Python, C++ , SQL
Developer Tools: VS Code, Google Collab, AWS, GitHub
Web Development: HTML, CSS, JavaScript, MERN

Certifications

- **The Bits and Bytes of Computer Networking | Issued by Google | December 2023**
- **Cloud Computing | Issued by NPTEL | May 2024**
- **Marketing Analytics | Issued by NPTEL | April 2025 | Elite + Silver Certificate**
- **DevOps Fundamentals | Issued by IBM | May 2025**
- **Full Stack Developer MERN | Issued by MongoDB | April 2025**

Co-curricular Activities and Hobbies

- Team Garvit | VIT Bhopal University | Powertrain + Sales PR and Outreach | Member | July'24 – Oct'24
- Insights Club | VIT Bhopal University | PR Team | Lead | Jan'25 – Present
- GeeksForGeeks | VIT Bhopal University | PR Team | Member | Dec'24 - Present
- Classical Singing | Trained for 4 years
- Guitar | Novice

- Canvas Painting | Novice