

PUJITHA MAMIDISHETTY

Software Engineering Intern — Data Science — Web Developer

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Aspiring software engineer and data science undergraduate with hands-on experience building real-world web applications and AI systems. Strong in frontend development, backend integration, and data-driven problem solving. Passionate about shipping usable products, learning fast through experimentation, and contributing to impactful software solutions in fast-paced environments.

EDUCATION

Usha Mittal Institute of Technology, Mumbai

Bachelor of Technology in Data Science

Nov 2023 – May 2027 (Expected)

CGPA : 8.15 (Current)

- Relevant Coursework: Data Structures Algorithms, Database Management Systems (DBMS), Operating Systems, Computer Networks, Artificial Intelligence, Web Technologies.
- Key Academic Highlights: Top 10 in class; worked on data-driven research and sustainability projects.

EXPERIENCE

Research Project Intern ↗

NSF Funded Initiative

Jan 2025

Mumbai, Maharashtra

- Built micro-scale air pollution mapping pipelines using low-cost sensor data.
- Cleaned, processed, and analyzed real-world environmental datasets using Python and data analysis tools.
- Collaborated with international research teams to validate data accuracy and optimize workflows.
- Documented system architecture, methodology, and insights to enable reproducibility and future scaling.

Web Development Intern ↗

CodeSoft

Dec 2024 – Jan 2025

Mumbai, Maharashtra

- Designed and deployed responsive web applications using HTML, CSS, JavaScript.
- Implemented performance optimizations improving page load speed and user navigation.
- Ensured cross-browser compatibility and mobile responsiveness.
- Worked independently on feature implementation and debugging in tight timelines.

PROJECTS

ScrapCycle - Online Recycling Reuse Platform

Dec 2023 – Feb 2024

- Built a full-stack web platform enabling peer-to-peer recycling and reuse.
- Implemented secure user authentication, transactions, and review system.
- Optimized frontend and backend performance for faster load times and scalability.
- Focused on usability, reliability, and real-world deployment readiness.

AI Recipe Identifier — Machine Learning Project

Ongoing

- Developed an end-to-end AI web application using CNN for food image classification.
- Integrated Flask backend with ML inference pipelines for real-time predictions.
- Scaled dataset to support 50+ cuisines improving model generalization.
- Focused on production-style deployment and performance tuning.

ACHIEVEMENTS

Google Solution Challenge – 2025 (GDG)

- Building scalable software solutions addressing real-world problems.
- Hands-on experience with rapid prototyping, teamwork, and deployment thinking.

TECHNICAL SKILLS

- Languages: Python, C++, SQL, Java, JavaScript, HTML5, CSS3
- Data Science & Analysis: Pandas, NumPy, Scikit-Learn, Matplotlib, Power BI, Excel
- Tools & Design: Git, Figma, Adobe Photoshop, Canva
- Core Skills: Data Structures, API Integration, Debugging, UI Optimization, Problem Solving

CERTIFICATIONS

- Python Essentials - 1 — Cisco
- SQL (Intermediate) — HackerRank
- Gen AI Powered Data Analytics Job Simulation — Tata Group (via Forage)
- Developer and Technology Job Simulation — Accenture (via Forage)
- Solutions Architecture Job Simulation — AWS (via Forage)