

POORNIMA MADDIPATI

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Professional Summary

Full Stack Developer with hands-on experience building scalable full-stack web applications using Django, React.js, REST APIs, and PostgreSQL. Proficient in integrating backend logic and frontend responsiveness using modern development practices. Strong understanding of SDLC, Agile methodology, OOP, and a basic foundation in DSA. Eager to contribute to collaborative software development teams through clean, modular code.

Work Experience

DataValley Inc.

Software Development Intern

Jan – Nov 2024 | In-Campus Projects (Full Stack Training + Core Java)

- Developed 3+ scalable Python based web applications using Django, React.js, and MySQL, focusing on frontend-backend integration.
- Designed and implemented REST APIs for authentication, session handling, and transaction features.
- Practiced software development principles using Java: OOP, Exception Handling, JDBC.
- Collaborated in Agile Development and used version control systems (Git) to manage codebases.
- Collaborated on debugging and documenting code in team-based projects.

Projects

PetZeno – Full-Stack Pet Adoption Platform | Django, JS, MySQL/PostgreSQL | GitHub | Live Demo | Docs

- Developed a responsive, role-based adoption platform(Guest, Buyer, Seller, Admin) from scratch.
- Enabled real-time messaging, dynamic payment entry, and adoption request tracking.
- Migrated DB from MySQL to PostgreSQL, ensuring 30% faster query execution.
- Deployed backend to Render; PostgreSQL hosted on Neon with zero-downtime deployment.

AI Bias Detector – Bias Detection Tool | Django REST, React, MySQL/PostgreSQL | GitHub | Live Demo | Docs

- Engineered an end-to-end tool to detect dataset bias using demographic parity analysis.
- Supported custom CSV uploads; visualized results using interactive charts (Recharts).
- Implemented CI/CD with GitHub Actions; deployed frontend on Vercel and backend on Render.

Real-Time Chat Application | Django Channels, React, PostgreSQL, Redis (Ongoing)

- Architecting a WhatsApp-style chat system with real-time WebSocket communication.
- Implemented OTP-based auth, JWT Authentication, unread messages tracking, and read receipts.
- Backend will use Gunicorn + Nginx + Redis for scalable deployment.

Skills

Languages: Python (Full Stack Development), JavaScript, Java

Frontend: React.js, HTML5, CSS3, Tailwind CSS

Backend: Django, Django REST Framework (DRF), REST APIs , API Development, ORM

Database: MySQL (SQL), PostgreSQL (SQL)

DevOps & Tools: Git, GitHub(Pull Requests, Branching, Collaboration), GitHub Actions(CI/CD), Render, Vercel, VS Code, Postman, Docker (basic), Web Servers (Gunicorn)

Technical Concepts: DSA, OOP, OS,CN, MVC, Agile Development, JWT Authentication, Backend Logic, API Integration, Debugging, Unit Testing, Documentation

Soft Skills: Problem Solving, Clean Code, Team Collaboration, Eagerness to Learn, Adaptability, Communication Skills

Education

Bachelor of Technology in Computer Science & Engineering

St. Mary's Group of Institutions for Women, Guntur, India | 2022 – 2026 | GPA: 8.19/10

Achievements

- Winner – Python Coding Competition (twice, intra-college)
- Participated in 5+ National Hackathons (Flipkart GRiD, Meesho, Adobe Hackathons, etc.)