

MANIKANTA GURURAM

Software Developer | Python & Django | Open-Source Contributor

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SUMMARY

Software developer and open-source contributor specializing in Python, Django, REST APIs, and SQL. Delivered 7 production HRMS modules adopted by 100% of staff, reducing manual tracking by approximately 5 hours weekly. Contributed a maintainer-approved fix with regression tests to La Suite Docs.

TECHNICAL SKILLS

Languages: Python, SQL, JavaScript, HTML5, CSS3

Databases: PostgreSQL, MySQL

Frameworks: Django, Django REST Framework, FastAPI, React.js, Node.js

Developer Tools: Git, GitHub, Postman, Docker, Linux, Gunicorn, SMTP, CI/CD

AI & Integrations: LangChain, ChromaDB, LLMs, RAG, Model Context Protocol (MCP), Gmail MCP integration

Core Concepts: REST APIs, Object-Oriented Programming, Data Structures & Algorithms, JWT, Agile

EXPERIENCE

Open-Source Contributor | La Suite Docs

September 2026

- Resolved callout Backspace formatting in La Suite Docs, preserving text and resetting background colors in a **3-file patch** approved and merged after CI checks. [PR #2708](#)
- Authored **8 Vitest regression cases** to validate **3 background colors**, text preservation, character and selection deletion, and Undo behavior.

Python Developer Intern | Lagran Software Solutions Pvt Ltd

December 2025 - August 2026

- Delivered production HRMS modules for attendance, leave, employee management, and assets; achieved **100%** staff adoption and saved approximately **5 hours per week** in manual tracking.
- Automated leave-approval emails using SMTP, reducing HR response time by **60%** and eliminating manual notification handling.
- Launched the Subhagruha Django/MySQL property platform end-to-end with **4 functional areas**: listings, blog publishing, SEO enhancements, and contact forms.
- Sustained **100%** availability across **2 concurrent Django projects** by configuring Gunicorn, environment variables, and frontend-backend integration.
- Partnered with the Scrum team to deliver **7 HRMS modules**, contributing to sprint planning, daily stand-ups, and retrospectives through iterative releases.

PROJECTS

SpendWise - Personal Finance Tracker | Python, Django, PostgreSQL, REST APIs | [Live Demo](#) | [Source Code](#)

- Engineered priority-based savings-goal allocation and **10+** JWT-secured REST API endpoints to support budgeting and protected financial workflows.
- Maintained **99.9%** uptime across **7+ months** of production use for a Progressive Web Application running on Render and Gunicorn.
- Consolidated financial analytics in a custom Django admin dashboard, replacing third-party tools and saving approximately **\$50 per month**.

Water Potability Prediction System | Python, SVM, Random Forest, Decision Tree | [Live Demo](#) | [Source Code](#)

- Trained a Support Vector Machine classifier to **87%** accuracy and compared Random Forest and Decision Tree models for water-potability prediction.
- Improved model accuracy by **15 percentage points** by benchmarking 4 classification algorithms and tuning hyperparameters.
- Assessed classifiers trained on 9 water-quality features using 3 evaluation metrics: precision, recall, and F1-score.

Document Q&A Bot | Python, LangChain, ChromaDB, RAG | [Live Demo](#) | [Source Code](#)

- Created a Streamlit RAG application for 3 document formats - PDF, TXT, and DOCX - enabling natural-language questions with source-cited answers.
- Implemented text chunking with **1,000-character** segments and **200-character** overlap; indexed passages in ChromaDB through LangChain to provide context for LLM answers.
- Integrated 3 modes - AI answers, source search, and document browsing - with downloadable history for the latest **20 responses** per session.

EDUCATION

Bachelor of Technology in Computer Science and Engineering

August 2021 - May 2025

Vellore Institute of Technology | CGPA: 8.28 / 10.00

CERTIFICATIONS

CS50 Introduction to Programming with Python