

SAI KRISHNA DANDU

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Education

CMR Engineering College

Bachelor of Technology in Electronics and Communication Engineering; CGPA: 7.8

September 2022 – May 2025

Hyderabad, Telangana

Government Institute of Electronics

Special Diploma in Industrial Electronics Engineering

June 2018 - February 2022

Secunderabad, Telangana

Experience

GrayQuest Education Finance Pvt Ltd

SDE - Backend Intern

January 2025 – May 2025

Mumbai, Maharashtra

- Engineered backend services for Facility Management System (FMS) and Admin modules using Django REST Framework and SQLAlchemy, resulting in improved data processing efficiency and enhanced system performance.
- Collaborated with Product, QA, and frontend teams to deliver data-driven features and bug fixes across Dev, UAT, Stage, Preprod, and Prod environments, ensuring high availability with 99.9% application uptime.
- Developed a Python-based automation script for the Configuration team, reducing human intervention by 90% and ensuring timely daily report distribution to institutes.
- Developed and integrated real-time financial statistics in the Institute Dashboard, allowing institutes to easily track total received amounts, pending payments, and other key metrics through a clear, data-driven interface.
- Delivered Python scripts for generating EMI, offline payment, and payment gateway transaction receipts, notifying parents via email and WhatsApp with real-time receipt delivery.
- Implemented log monitoring and alerting using Promtail, Grafana, and Prometheus, enabling early detection of data issues and reducing potential system downtime.

Technical Skills

Programming Languages: C, Python, Java (Object-Oriented Programming), HTML, CSS

Frameworks & Libraries: Django, Django REST Framework, SQLAlchemy, REST API

Databases & Messaging: SQL, MySQL, MongoDB, Redis, Celery

Tools & Version Control: Jira, Postman, Git, GitHub, Excel

Soft Skills: Communication, Critical Thinking, Adaptability, Time Management, Analytical Skills

Projects

Django Employee Management – CRUD Application with Caching and Secure API | [GitHub Link](#)

- * Designed and implemented a Django-based RESTful API to manage employees and departments with full CRUD functionality.
- * Integrated MySQL with SQLAlchemy ORM for structured and efficient data handling.
- * Deployed Redis caching cluster across development, staging, and production environments, significantly improving data retrieval speed for active users and streamlining backend data management.
- * Leveraged Django REST Framework (DRF) to support advanced features such as sorting, pagination, and API serialization.
- * Deployed the application on AWS, ensuring scalability, high availability, and ease of maintenance.
- * Optimized database schema and tuned MySQL queries to enhance backend performance and minimize latency.
- * Secured API endpoints using JWT authentication and ensured data integrity through validation using Cerberus.
- * **Tech Stack:** Django, Django REST Framework, MySQL, SQLAlchemy, Redis, JWT, Cerberus, AWS

Leadership / Extracurricular

- * Solved 670+ problems on **LeetCode**, achieving a maximum rating of 1590.
- * Secured **2nd place** in a college-level coding competition organized by **Smart Interviews** in 2024.
- * Served as a mentor at **Smart Interviews** for over 1 year, guiding students in Data Structures and Algorithms, while honing my debugging and communication skills.