Surya Prakash Gadi

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Professional Summary

Aspiring Software Engineer with hands-on experience in backend development using **Python** and **FastAPI**, along with Python libraries. **6 months of experience** in **SaaS-based** application development with expertise in scalable architectures, cloud services, and AI-driven development workflows. Passionate about leveraging modern tools and technologies to solve real-world problems.

Skills

Backend | Python, Java, FastAPI, Django, Node.Js

Frontend | HTML, CSS, Javascript, React.js

Databases | SQL, PostgreSQL, MongoDB

Tools | Git, GitHub, Postman, Figma, DigitalOcean

Experience - Internship

Software Developer Intern | Kapil IT Solutions   May 2025 – Present

Ramya Constructions – Real Estate Platform

- Developed complete backend using **FastAPI + PostgreSQL** with secure password and OTP login (SMS Striker).
- Integrated **Cashfree Secured ID (Aadhaar/KYC)** with DB caching and added **Cashfree Payment Gateway + webhooks** for real-time tracking.
- Built EMI/Installment engine with auto-generated schedules, custom payments, multi-EMI handling, rebates, and monthly penalty calculation using **APScheduler**.
- Implemented project and scheme modules supporting single-payment and installment-based plans.
- Built the rental income module and improved data handling performance using PostgreSQL **JSONB** fields.
- Engineered **multi-tenant middleware** handling 13 websites by switching DB credentials dynamically via `x-tenant-id`.
- Deployed backend on **DigitalOcean**; managed builds using Git Bash and WinSCP.

RishiKrishi – Multi-Tenant Form & Report Management System

- Built a multi-tenant form and report system with separate schemas for each tenant and secure JWT-based role access.
- Developed dynamic form builder, controlled submission workflow, and analytics/reporting module.
- Implemented auto-password delivery using **EmailJS** and built a synchronized two-step user registration flow across main service and tenant schemas.
- Added schema-aware middleware decoding `schema_id` to route tenant-specific requests.

Education

Kakinada Institute of Engineering & Technology, Andhra Pradesh   Nov 2021 – Apr 2025

- **B.Tech** in Computer Science | CGPA: **7.65/10**
- **Coursework:** DBMS, Data Structures, Operating Systems, Computer Networks, Web Development

C.V. Raman Junior College, East Godavari, Andhra Pradesh   Jun 2019 – Apr 2021

- **Intermediate (M.P.C)** with percentage: **73%**

Zilla Parishad High School P. Donthamuru, East Godavari, Andhra Pradesh   Jun 2018 – May 2019

- **SSC** with percentage: **87%**

Personal Projects

Quizzy – Online Quiz Application   **React.js, Django, PostgreSQL**

- Developed a full-stack online quiz platform where users can attempt quizzes, track scores, and view leaderboards.
- Implemented secure user authentication and dynamic quiz generation using FastAPI and PostgreSQL.

Mail Easy – Chrome Extension (GitHub)   **React.js, OpenAI API**

- Built a Chrome extension that auto-generates personalized job messages using resumes and job descriptions.
- Utilized OpenAI API for smart text generation and React.js for an intuitive UI.

Human Pose Estimation (GitHub)   **Python, OpenCV, Mediapipe**

- Developed a real-time human pose estimation system using Python and computer vision techniques.
- Implemented keypoint detection with OpenCV and Mediapipe models to analyze human body movements.
- Visualized detected keypoints by drawing skeletal connections to track posture and movement patterns in real time.

Achievements & Certifications

- **Devpost Aviation Hack 2023:** Won with *Fly With Us*, a Django-powered platform for real-time flight updates.
- **AI-THON (KIET College):** Secured 3rd place for developing Python-based AI solutions.
- **Programming in Python –** Edyst
- **Web Full Stack Development –** Eduskills
- **Introduction to AI Fundamentals –** IBM
- **Fundamentals of SQL –** iNeuron