Sri Charan Machabhakthuni

PYTHON BACKEND DEVELOPER | FASTAPI | REST APIs | SQLITE | DOCKER

+919390891684 | sricharanmachabhakthuni@gmail.com | Vishakapatnam, Andhra Pradesh, 531163, India |
LinkedIn: Sri Charan Machabhakthuni | Portfolio

SUMMARY

Backend-focused Python developer experienced in building real-time applications, secure transaction systems, and scalable REST APIs using FastAPI and SQLite. Developed production-ready projects including File Organizer Pro and ATM SIM. Currently building PillionPal, a GPS-based ride-sharing platform with payment and authentication modules.

INTERNSHIPS

Web Developer & Startup Support, E-Cell REC, Vishakapatnam   **Feb 2024 — Mar 2025**
- Supported early-stage startups in MVP development, landing pages, and scalable product architecture
- Built the official summit website with responsive UI and mobile-first design
- Coordinated with the core team for content, branding, and event tech

Python Developer Intern, Zaalima Development, Bangalore, India (Remote)   **Sep 2025 — Present**
Leading backend development of File Organizer Pro, an automated file management application with rule-based sorting, duplicate detection, and system logs.
- Built core architecture using Python, SQLite, Tkinter, threading & scheduler-based automation.
- Reduced manual file sorting effort by ~90% based on real user usage.

EDUCATION

Raghu Institute of Technology, **Vishakapatnam** - *BTech, CSE-Cyber Security*   **Oct 2022 — Present**
Recognized by faculty for standout tech contributions and student leadership

ACHIEVEMENTS

Finalist (Top 15/150) — AIDEATHON 2025, T-Hub Aditya University

Contributor — Raghu College E-Cell (Tech & Startup Club)

PROJECTS

PillionPal - Cut Cost Not Convenience   **Sep 2024 — Present**
- Backend for a motorcycle ride-sharing platform using **FastAPI, WebSockets, Supabase**.
- Implementing **real-time GPS tracking**, JWT authentication, OTP login, booking system, and payment gateway.
- Developing **FairSplit**, a mileage-based fare-splitting algorithm for riders and pillion users.

ATM SIM – Simulated Banking System, (GitHub)   **Feb 2025 — Mar 2025**
- Full-stack ATM simulation system built using **Python + SQLite + React**.
- Backend uses **hashed PINs, session tokens, transaction logs, role-based access (customer & admin)** and edge-case handling.

File Organizer Pro – Desktop Automation Tool, (GitHub)   **Sep 2025 — Oct 2025**
- Intelligent file management app that auto-sorts and organizes files by rules, type, date & duplicates.
- Built using **Python, Tkinter, SQLite, Watchdog**, with persistent database logs and rollback handling.

SKILLS

Languages	:	Python, JavaScript
Frameworks	:	FastAPI, NextJS, Tkinter
Databases	:	SQLite, PostgreSQL (basic)
Tools & Platforms	:	Git, GitHub, Docker, Render, Figma, Postman
Concepts	:	REST APIs, Authentication (JWT/OAuth), API Documentation (Swagger), Async I/O, CI/CD Pipelines