

Sri Charan Machabhakthuni

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

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[LinkedIn: Sri Charan Machabhakthuni](#) | [Portfolio](#)

SUMMARY

Backend-focused Python developer experienced in building secure transaction systems and scalable REST APIs using **FastAPI** and **SQLite** or **PostgreSQL**. Developed production-ready projects like a **Simulated Banking System**, and currently working on **PillionPal**, a GPS-based ride-sharing platform with payments and authentication.

INTERNSHIPS

Web Developer & Startup Support, E-Cell REC, Vishakapatnam	Feb 2024 — Mar 2025
<ul style="list-style-type: none">Supported early-stage startups with MVP development, UI improvements, and backend workflows.Provided technical assistance for product architecture, deployment, and feature implementation.Built components for the official summit website and collaborated with the core team on branding, content, and event tech.	
Python Developer Intern, Zaalima Development, Bangalore, India (Remote)	Sep 2025 — Present
<ul style="list-style-type: none">Built the backend for File Organizer Pro, a desktop tool that automates file sorting, removes duplicates, and maintains system logs.Reduced manual file sorting effort by ~90% based on real user usage.Built core architecture using Python, SQLite, Tkinter and Threading	

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
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PROJECTS

PillionPal - Cut Cost Not Convenience, GitHub	Sep 2024 — Present
<ul style="list-style-type: none">Tech Stack: FastAPI, WebSockets, Supabase, JWT, PostgreSQLBackend for a motorcycle ride-sharing platform using FastAPI, WebSocket, Supabase.Implementing real-time GPS tracking, JWT auth, OTP login, booking system, and payment gateway.Developing Fair Split, a mileage-based fare-splitting algorithm for riders and pillion users.	
Simulated Banking System, GitHub, Live Demo	Feb 2025 — Mar 2025
<ul style="list-style-type: none">Tech Stack: FastAPI, PostgreSQL, SQLAlchemy, Docker, JWT, Async I/OBuilt a production-ready banking backend with FastAPI + PostgreSQL, securing logins using JWT, HTTP-only cookies, and refresh tokens.Enforced Row-Level Security and RBAC across users, accounts, transactions, audit logs, ensuring 0 unauthorized access in tests.Designed atomic SQL transactions and audit logging (IP, timestamp, user ID), validating 500+ safe money operations in testing.	

SKILLS

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