

Charan T M

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SUMMARY

Backend Developer with 1+ years' experience in RESTful APIs, microservices, and cloud deployment (AWS, Docker, CI/CD). Skilled in Python (FastAPI, Django, Flask), databases (PostgreSQL, Redis, SQLite), and Agile development. Experienced with WebSockets and AI integration; strong in debugging scalable systems and problem solving.

TECHNICAL SKILLS

Languages: Python, C, HTML, SCSS, JavaScript

Frameworks and Libraries: FastAPI, Django, Flask, React (ReactJS), Streamlit, LangChain

Databases and Systems: PostgreSQL, SQLite, Redis, Kafka

Cloud and DevOps: AWS (EC2, S3), Docker, GitHub Actions, Continuous Integration / Continuous Deployment (CI/CD)

Tools: Git, Linux, Render, VS Code, Postman, Nmap, WebSockets, Supabase, Computer Networking

EXPERIENCE

Full Stack Developer (Hackathon Project) - AI Fake News Detector | [GitHub](#) *Tech: Django, PostgreSQL, WebSockets, HTML, CSS, JavaScript*

Engineered an AI-powered fake news detection system with 85% accuracy and < 3s response time.

Integrated Mistral AI models with WebSocket-based chat, enabling scalable, interactive fact-checking for concurrent users. Led a 4-member Agile team, driving full-stack development and code reviews, improving feature delivery speed by 20%.

Backend Developer (Hackathon Project) - Eco Sweep | [GitHub](#) *Tech: Django, SQLite3, HTML, CSS, JavaScript*

Developed a role-based waste management platform supporting user, worker, admin workflows with 50+ reports generated.

Implemented real-time image capture, live tracking, complaint progress monitoring, and automated worker assignment.

Led backend debugging sessions and peer code reviews, resolving issues 30% faster.

PROJECTS

Chat Hub – Real-Time Messaging App | [GitHub](#) *Tech: FastAPI, ReactJS, WebSockets, PostgreSQL, Redis, Docker*

Built a real-time chat platform supporting 500+ concurrent users with < 100ms latency.

Enabled AI auto-reply, multi-chat, group messaging, file sharing (50MB), and message restoration with read receipts.

Deployed and scaled containerized services on Render using Docker and CI/CD pipelines with JWT-based authentication.

Vorex Educational Web App | [GitHub](#)

Tech: Django, PostgreSQL, HTML, CSS, JavaScript

Developed a collaborative e-learning platform for 25+ students across 15+ active rooms, enhancing peer learning.

Implemented document uploads (10+ formats), real-time chat with code snippet sharing, and interactive discussion forums, boosting student engagement by 30%.

Education

Bachelor of Engineering in Computer Science

Sep 2023 – Jun 2027

Sri Venkateshwara College of Engineering, Bengaluru, Karnataka

CGPA: 8.26 / 10

Relevant Coursework: Data Structures and Algorithms, Database Management Systems (DBMS), Computer Networks, Operating Systems (OS), Software Engineering

Achievements and Additional Information

3rd Place – Smart India Hackathon | Top 5 – Hack Nocturne and Chepus Hackathon | Built AI-powered solutions.

Open-source contributor: [Wagtail \(CMS\)](#) | Contributed to Python-based content management system .

Certification: Computer Networks ([Udemy](#)) | Advanced networking and security protocols.

Soft Skills: Problem Solving, Debugging, Team Collaboration, Good communication with experience in Agile / Scrum environments, Adaptability, English, Kannada.