C V CHARAN

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Objective

Results-driven Full Stack and Backend Developer with expertise in Python, Java, FastAPI, and the MERN stack. Proven experience in building scalable applications, designing RESTful APIs, and developing real-time systems. Skilled in solving complex data structures and algorithms (DSA) problems. Seeking high-impact software engineering roles to leverage my technical skills in delivering innovative, scalable solutions.

Education

B.Tech, CSE, IIIT RGUKT RK Valley (2022-2026),   GPA: 8.9/10
PUC, IIIT RGUKT RK Valley (2020–2022)   GPA: 9.3/10
High School, Dr. V.N. MCHS (2016–2020)   GPA: 10.0/10

Technical Skills

Languages: Python, Java, C, JavaScript
Frontend: React, Tailwind CSS, HTML, CSS, Bootstrap
Backend: Node.js, Express.js, FastAPI, Django (basic), REST APIs
Database: MongoDB, Mongoose, SQL, Motor (async),socket.io
Tools: Git, GitHub, Docker, Postman, VS Code, ThunderClient
Deployment: Vercel, Render
SoftSkills : leadership , communication , management , self motivated

Experience

Frontend Developer – CDPC Portal, SRC [Live]
Led the frontend development of a real-time career portal using React, Tailwind, and JWT-based role authentication. Collaborated with the SRC team in agile workflows (standups, reviews) and deployed on Vercel. Gained hands-on experience in managing real-time projects and working with a structured team.

Projects

RkvBros Academic Portal — MERN, Python (Scraping), JWT, Recharts [Live]
Developed a full-stack student portal that supports real-time search, assignment sharing, and group chat for 100+ active users. Integrated Python scraping to fetch dynamic data and keep the system up-to-date. Employed JWT-based role access to ensure secure user management. Visualized real-time student data using Recharts to provide insightful analytics for admins. This project is a testament to scalable system architecture and efficient design.

LinguaBot – Grammar Chatbot (current) — FastAPI, React, MongoDB, Gemini Api [GitHub]
Built a scalable backend for an English-learning chatbot that includes grammar correction, real-time feedback, and sentence optimization. Integrated **JWT-authenticated** sessions to secure user data and interactions. Used Gemini API to generate context-aware, meaningful responses during conversations. Data is stored in **MongoDB** to ensure scalability, and the system is designed to handle a growing user base without compromising performance. A complete solution for personalized and interactive language learning.

Key Achievements

- **Leetcode Knight** Ranked **1850+ on LeetCode** with **600+ DSA problems** solved across platforms.
- Secured **2nd prize** in **GFG coding contest**; awarded official merchandise.
- Won **1st prize** in **Blind Coding challenge**; received 500 cash prize.
- Recognized among **Top 5 performers** in the **LearnSquare Internship Program**.
- Earned **Python DSA** and **Core Java** certifications from **edX**.

Extra-Curriculars

- **Leadership & Team Management:** Led academic and peer groups with 400+ students; organized events, coordinated communication, and facilitated collaboration across batches.
- **Mentorship & Engagement:** Conducted coding sessions, guided juniors on resumes and projects, and consistently uplifted team morale through active peer motivation.