VARUN K S

Bangalore, India|ksvarun20044@gmail.com|+91 9611581352|linkedin.com/in/varun-ks|github.com/varunks04

ABOUT ME

Computer Science student passionate about Software and AI Engineering, with a solid foundation in Python, C++, Data Structures, and backend development. Experienced in building real-time, user-focused applications with clean, efficient, and modular code. Driven by a love for intelligent systems, problem-solving, and building impactful tech solutions.

EDUCATION

JSS Academy of Technical Education
BE in Computer Science and Engineering
CGPA: 7.91 (Till 6th semester)
Expected Graduation: July 2026

SKILLS

Programming Languages: C, C++, Python
Core CS Concepts: Data Structures & Algorithms, OOP, OS, DBMS
Python Libraries & Frameworks: NumPy, Pandas, Matplotlib, Seaborn, Scikit-learn, TensorFlow (beginner)
Databases: MySQL, PostgreSQL, SQLite
Backend Development: REST APIs, Flask, SQL integration
Tools & Platforms: Git, GitHub, Linux, VS Code, Google Colab, Jupyter Notebook
Soft Skills: Communication, Negotiation, Adaptability, Team Collaboration, Leadership

PROJECTS

College Placement Management System (Ongoing)
- A full-stack platform that streamlines college placement workflows for students, faculty, and admins.
- Features include job postings, student profiles, drive tracking, and an admin dashboard with real-time control.
- **Tech Stack:** React.js, TypeScript, Tailwind CSS, PostgreSQL, Vite

FinSight AI — AI-Powered Financial Insights
- An AI-driven tool that helps investors make informed decisions by analyzing and summarizing financial data.
- Collects stock market data, applies ML models, and provides visual forecasts with insights using AI summarization.
- **Tech Stack:** Python, yFinance, Scikit-learn, Plotly, Pandas, Flask

Smara AI — Digital AI Diary & Therapist
- A personal AI system that acts as a digital diary, mindset tracker, and psychological assistant for self-reflection.
- Uses AI to analyze emotions, suggest improvements, and deliver personalized journaling prompts and insights.
- **Tech Stack:** Python, OpenAI API, Flask, LangChain (optional), Git

CERTIFICATIONS

- **Meta Database Engineer Professional Certificate** – Meta, Virtual (Mar 2025)
  Covered SQL, Data Modeling, Indexing, Query Optimization, Python for automation, and real-world DB projects.
- **100 Days of Code: Complete Python Pro Bootcamp** – Udemy, Virtual (Mar 2025)
  Hands-on Python training including Web Development, Automation, APIs, Data Science, and ML with 100 projects.
- **Mastering Data Structures & Algorithms using C and C++** – Udemy, Virtual (Jan–Mar 2024)
  Focused on recursion, sorting techniques, and deep implementation of key data structures.