

VARUN SAMMAL

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LeetCode: leetcode.com/u/Varun_Sammal446 | Portfolio: portfolio-ten-blush-sb16reusiu.vercel.app

SUMMARY

B.Tech Computer Science student (CGPA 8.13/10) with strong expertise in Full Stack Web Development, Machine Learning, and Generative AI. Solved 800+ LeetCode problems (Rating 1601, Top 23.59%). Focused on building efficient, scalable applications using modern AI and web technologies.

SKILLS

Languages: C++ | Python | JavaScript

Frontend: Next.js | React | HTML | CSS

Backend: Node.js | REST APIs

Database: MongoDB | SQL

ML & AI: Pandas | NumPy | Scikit-learn | NLP | Transformers | Generative AI | RAG

Tools: Git | GitHub | VS Code | Postman | Vercel | LangChain

CERTIFICATIONS

- Claude 101 — Anthropic | Certificate No: [rje6t6c4uqsr](#)
- Claude Code in Action — Anthropic | Certificate No: [smkw2enkffo4](#)

PROJECTS

DocuMind | [GitHub](#) | [Live Demo](#)

Tech Stack: Python, LangChain, Mistral AI, HuggingFace Embeddings, ChromaDB, Streamlit

- Built a RAG-powered PDF chatbot using LangChain to orchestrate HuggingFace Embeddings and ChromaDB vector database for intelligent document chunking and semantic retrieval
- Integrated Mistral AI via LangChain pipeline to generate accurate, context-aware answers grounded strictly in retrieved PDF chunks, deployed via Streamlit for real-time query experience

PREP AI | [GitHub](#) | [Live Demo](#)

Tech Stack: Next.js, Tailwind CSS, Clerk, Groq (Compound Beta Mini)

- Built an AI-powered mock interview platform that generates 5 dynamic questions based on tech stack, job description, and experience level using Groq (Compound Beta Mini)
- Implemented real-time AI feedback engine that evaluates answers and returns performance ratings with detailed improvement insights

NUTRIFY - REAL TIME NUTRITION TRACKER | [GitHub](#) | [Live Demo](#)

Tech Stack: Next.js, Tailwind CSS, Convex, Clerk, Groq (GPT-OSS 120B)

- Built a real-world food tracking application that logs and syncs user meals in real-time using Convex as the backend with live data synchronization
- Integrated Groq-powered GPT-OSS 120B chatbot that analyzes user food history to deliver personalized meal insights and smarter food search experience

EDUCATION

BACHELOR OF TECHNOLOGY IN COMPUTER SCIENCE & ENGINEERING

Graphic Era Hill University | Aug 2022 - July 2026

CGPA: 8.13/10