

SAMARTH VOHRA

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 [LinkedIn](#)  [GitHub](#)

EDUCATION

JIMS Engineering Management Technical Campus

B. Tech in Computer Science and Engineering

December 2021 - July 2025

CGPA - 8.46/10

WORK EXPERIENCE

Software Engineer Intern, Webesters Inc.

Sept 2024 - Apr 2025

- Developed full-stack web apps at Webesters, ensuring performance & scalability.
- Managed deployment, maintenance, and reliability of software solutions.
- Collaborated with teams to deliver efficient applications.

Software Engineer Intern, LG Electronics

Jul 2024 - Aug 2024

- Built Inventory Management (ASP.NET, MSSQL) & Product Matching (Django) systems.
- Applied DBMS concepts & full-stack development following industry standards.
- Improved project management & teamwork in a professional setting.

PROJECTS

Medical Condition Q&A AI Agent

[Source Code](#)

- Developed a privacy-first medical Q&A CLI using local LLM (Ollama/LangChain) & RAG, enabling offline, accurate diagnoses via custom vector DB.
- Added semantic search on medical datasets, allowing natural queries with instant expert responses—no cloud needed.

RAG AI Agent

[Source Code](#)

- Built an AI research assistant (LangChain) integrating OpenAI/Anthropic LLMs, DuckDuckGo search, and Wikipedia queries for accurate, high-quality outputs.
- Automated result saving to create an end-to-end workflow combining LLM intelligence + external data for self-documenting research.

Product Matching System

[Source Code](#)

- Created a Django system that scans barcodes and verifies SerialNo/PartNo in MySQL, displaying instant OK/NG results.
- Designed a real-time interface with product details and barcode integration for faster, accurate checks.

TECHNICAL SKILLS

- **Programming Languages:** Python, JavaScript, C#, Java, C++, C, HTML5/CSS3
- **Frameworks:** Django, Flask, React, MERN Stack
- **AI/ML Libraries:** Tensorflow, Keras, PyTorch, Scikit-Learn, NLTK, spaCy, Ollama, Langchain
- **Cloud and Databases:** MS SQL, MySQL, PostgreSQL, MongoDB, AWS
- **Microsoft Tools:** Excel, PowerPoint, Word
- **Developer Tools:** VS Code, GitHub, Anaconda, Google Colab
- **Core Computer Science Concepts:** AI, ML, NLP, DBMS, OOPS, OS, DSA

COMPETITIONS/RESEARCH EXPERIENCE

- Participated in multiple competitions like **Coca Cola Disrupt Season 3, Flipkart GRiD 6.0, BYD EV INNOVATE-A-THON, and Analytica: The Data Analysis Event**
- Wrote a thesis on "**Revolutionizing Mental Health: Equinox Mind: A Virtual Psychiatrist Powered by AI**".