SAMARTH VOHRA

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 LinkedIn GitHub Portfolio

EDUCATION

JIMS Engineering Management Technical Campus December 2021 - July 2025
B. Tech in Computer Science and Engineering 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, FastAPI, 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".**

CERTIFICATIONS/CREDENTIALS

1. **Explore Emerging Tech**
   - **Issued by:** IBM SkillsBuild
   - **Date:** July 25, 2025
   - **Verification:** <u>Credly Badge</u>

2. **Data Fundamentals**
   - **Issued by:** IBM SkillsBuild
   - **Date:** July 22, 2025
   - **Verification:** <u>Credly Badge</u>

3. **Legacy JavaScript Algorithms and Data Structures**
   - **Issued by:** freeCodeCamp
   - **Date:** July 21, 2025
   - **Verification:** <u>URL</u>

4. **Artificial Intelligence Fundamentals**
   - **Issued by:** IBM SkillsBuild
   - **Date:** July 20, 2025
   - **Verification:** <u>Credly Badge</u>

5. **PCEP™ – Certified Entry-Level Python Programmer**
   - **Issued by:** Python Institute
   - **Date:** July 19, 2025
   - **Credential ID:** <u>'cM6h.HepV.e6hN'</u>
   - **Verification:** <u>URL</u>

6. **IBM Robotic Process Automation Introduction**
   - **Issued by:** IBM Training
   - **Date:** July 1, 2025

7. **Foundational C# with Microsoft**
   - **Issued by:** freeCodeCamp & Microsoft
   - **Date:** June 12, 2025
   - **Verification:** <u>URL</u>