

HIMIKA JAIN

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EDUCATION

MIT World Peace University

B.Tech in Electronics and Communication - **CGPA: 8.85**

Oct 2021 – June 2025

Pune, Maharashtra

EXPERIENCE

Tech Mahindra Ltd., Pune | AI Intern

Jul 2024 – Sept 2024

- Built automated Python pipelines, speeding up NLP data preprocessing by 40%
- Improved model accuracy by refining preprocessing and collaborating with data scientists.

Deep Cytes UK Labs, Remote | Red Team Analyst Intern

Oct 2024 – Dec 2024

- Researched and reported on real-world cybersecurity vulnerabilities.
- Automated penetration test workflows and exploit simulations.

Soochak Bharat, Noida, | Intern

Aug 2025 – Present

- Developed responsive UI components using React, TypeScript, and HTML.
- Translated design mockups into interactive web pages with clean, modular code.

TECHNICAL SKILLS

Languages: Python, C++, SQL, Java, TypeScript

Web & Frameworks: Flask, Streamlit, HTML, CSS, JavaScript, React.js

Databases: MySQL, SQLite

Tools & Platforms: Git, VS Code, Linux, Whisper, llama.cpp

Practices: REST APIs, Agile, Scrum, Multithreading, Socket Programming

AI / GenAI: Hugging Face, phi-1.5

PROJECTS

Budget Tracker Web App ↗ | Python, Flask, SQLite

- Developed a full-stack finance platform with income/expense tracking, currency conversion, recurring entries, and Splitwise-style group expense sharing.
- Designed and implemented backend, database, and security, making it unique for seamless multi-user collaboration.

DocuBot ↗ | Python, Streamlit, LangChain, FAISS, Groq, HuggingFace

- Built an AI assistant that chats with PDFs and websites using FAISS search and LLaMA-4 for lightning-fast, context-aware answers.
- Implemented embeddings, retrieval, and UI, making it stand out for multi-source document querying.

Smart Pill Dispenser ↗ | Python, Raspberry Pi, OpenCV

- Created an IoT medicine dispenser with gesture-based pill intake detection (77.8% accuracy) and automated reminders.
- Handled end-to-end development in the Raspberry Pi environment — from hardware integration to software implementation — making it unique for combining computer vision with healthcare automation.

SmartChat – Local GenAI Chatbot ↗ | Python, Streamlit, Whisper, Llama.cpp, Phi-1.5

- Developed a private, offline AI chatbot with real-time voice input, chat history, and dark mode for secure conversations.
- Built voice-to-text and chatbot logic, making it unique for operating 100% offline while ensuring privacy.

CERTIFICATIONS

- Microsoft Cybersecurity Analyst Professional Certificate – [Coursera ↗](#)
- Google Cloud Computing Foundations – [NPTEL Certificate ↗](#)
- Artificial Intelligence using Python – [Infosys Springboard ↗](#)
- Hack-MIT WPU 2024 (Ideathon)** – 1st Runner-Up among 15 teams : Built a Cloud Connect Pill Dispenser for healthcare automation.