

# HIMIKA JAIN

Pune, Maharashtra

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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.