

CHAITANAYA KUSUMAKAR

Indore, Madhya Pradesh, India

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🌐 [ChaitanayaK](https://chaitanayaK.github.io)

Education

Narsee Monjee Institute of Management and Studies, Indore

2026

MBA Tech(Integrated) BTech in Computer Engineering and MBA in Technology - 2.78/4 CGPA

Indore, Madhya Pradesh

Choithram School, Manikbagh

2020

Class 10th-71.8 percent | Class 12th-65 percent

Indore, Madhya Pradesh

Work Experience

VKAPS IT Solutions Pvt. Ltd.

May 2024 - July 2024

AI and Automation Intern

Indore, Madhya Pradesh

- Developed Intelligent Chatbots by creating PDF and Google Sheets chatbots using Langchain and OpenAI LLM, enhancing user interactions and data retrieval on Streamlit.
- Engineered Real-time Data Solutions by building a real-time customer data voice bot with Flask, integrating Shopify API and Twilio for dynamic voice interactions, utilizing Groq, Deepgram, and Assembly AI.
- Implemented Advanced Web Scraping by developing a Selenium bot for scraping and structuring data from the Ofsted reports website, employing OpenAI LLM for data insights.
- Enhanced Website User Experience by designed a secure chat assistant with a local Llama3-B model and Chroma vector database, integrated via Flask for seamless client data interaction.

Saugat Education Development and Welfare Society

May 2022 - June 2022

Volunteer

Indore, Madhya Pradesh

- **Organized Donation Camps:** Successfully coordinated and managed donation camps, increasing community engagement and support for the society's initiatives.
- **Website Development:** Developed and maintained the organization's website, enhancing its online presence and accessibility for users.
- **Social Media Handling:** Managed the society's social media accounts, creating and posting content that increased awareness and engagement.
- **Tutoring:** Provided tutoring and academic support to underprivileged students, helping them improve their educational outcomes.

Projects

AI Customer Service Agent[Repo] | *Twilio, Shopify API, Assembly AI, Groq, Llama3b, Deepgram*

May 2024 - Jun 2024

- I **accomplished** creating an AI-powered customer service agent as **measured** by the successful deployment and interaction handling by integrating multiple APIs (Twilio, Shopify API, Assembly AI, Groq, Llama3b, Deepgram TTS) by **developing** a Flask app that allows users to call and converse with the AI agent, mimicking human-like interactions.

MedMix(Drug Interaction Detector)[Live] | *Python, Selenium, Google GenAI, LangChain, OpenAI, Streamlit*

June 2024

- I **accomplished** enhanced patient safety as **measured** by predicting harmful drug interactions specific to Indian medicines. **Developed** an AI-powered drug interaction detector using Python, Selenium, LangChain, OpenAI, and Streamlit. Integrated the Gemini Vision Pro Model to scan medicine labels, improving accessibility for users with visual impairments.

SecureHome[Repo] | *Firebase, Android Java, Python*

Mar 2024 - Apr 2024

I **accomplished** enhancing home security as **measured** by successful biometric authentication and device integration:

- **Developed** an Android application using Firebase and Android Java to enable biometric control of non-biometric PCs.
- Created Python-based PC software allowing remote locking/unlocking via mobile app authentication.
- Implemented dynamic links with a 5-minute expiration for secure device access sharing.
- Utilized QR code registration for seamless device setup and persistent management capabilities.

DreamMusic[Repo] | *Firebase, Android (Java)*

Jul 2023 - Nov 2023

DreamMusic is a feature-rich music player application similar to Spotify, leveraging Firebase storage for seamless song management and playback.

- **Developed** a music player app utilizing Firebase storage for quick song retrieval, providing a Spotify-like experience for users.

- Implemented a group play feature allowing synchronized playback among multiple devices, enhancing the music listening experience with immersive 360-degree sound simulation.
- Integrated QR code sharing functionality to facilitate easy sharing of favorite songs among friends.
- Enabled users to upload personal music selections to the cloud for community-wide enjoyment, promoting sharing of musical tastes and preferences.

LogMeIn[Software] | *Python, socket programming, OpenCV, CustomTkinter*

Feb 2024 - Mar 2024

- **Accomplished** enhancing classroom interactivity as **measured** by real-time screen mirroring and control between SmartBoards and faculty laptops on the same network. **Developed** using Python with socket programming and OpenCV for seamless synchronization of mouse and keyboard inputs across devices, ensuring intuitive user interaction and enhanced educational experiences.

Technical Skills

Languages: Python, Java, C++, HTML/CSS, Javascript, SQL

MicroControllers/Computers: Arduino(UNO), NodeMCU, RaspberryPi 4B

Libraries/Frameworks:Selenium, Langchain, OpenAI, Groq, Pinecone ,TensorFlow, Pandas

Developer Tools & Applications: VS Code, Jupyter Notebook, MySQL workbench, AzureAI-Services, Git/GitHub, Android Studio, Pycharm

Soft Skills

Effective Communication: Ability to clearly convey information and collaborate with team members and clients.

Leadership: Experience in founding and leading the Robotics Club at NMIMS Indore.

Teamwork: Proven ability to work effectively in collaborative environments, demonstrated through group projects and internships.

Problem-Solving: Strong analytical and critical thinking skills, developed through complex project work and academic studies.

Creativity: Innovative mindset, particularly in developing AI and automation solutions.

Proactive Attitude: Demonstrated through initiating and leading projects, as well as actively participating in hackathons.

Adaptability: Ability to thrive in fast-paced and dynamic environments, adapting to new challenges and technologies.

Client Interaction: Direct experience in engaging with clients to understand and fulfill their project requirements.

Results-Driven: Focused on achieving high-quality outcomes, as evidenced by successful project completions and academic achievements.

Attention to Detail: Meticulous in developing and testing software applications and systems.

Time Management: Skilled in balancing multiple projects and academic responsibilities efficiently.

Certifications

- **Artificial Intelligence Foundation Certification**
- **Google Cloud Computing Foundations**
- **LangChain for LLM Application Development**
- **Introduction to TensorFlow for Artificial Intelligence, Machine Learning, and Deep Learning**

Personal Achievements and Extra Curricular Activities

- **Winner** of Jugaad Hacks Hackathon, May 2024
- **Founder and Lead** of Robotics Club at SVKM's NMIMS Indore
- **Top 5 finalists** in Kavach Hackathon 2023
- **Secured 4th position** in IARC Line Follower Competition organized by Techriti, IIT Kanpur.