

Harsh Gupta

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in [LinkedIn](#) [Github](#)

Education

VIT Bhopal University

Sept 2023 – Present

Btech in Computer Science(Artificial Intelligence and Machine Learning)

- GPA: 8.84/10.0
- Coursework: Machine Learning, Artificial Intelligence, Deep Learning, Data Structures and Algorithms

Experience

AI Intern at Amasqis.ai

Apr 2025 – Present

- Led the **development and implementation of AI models** for **Real Estate and GIS** initiatives as **Project Lead**, specializing in **KNN for future price prediction** and **YOLOv8 for road and house segmentation**.
- Contributed in the system design part of the project by creating workflows, designing Style Guide and choosing appropriate tech stack and deployment strategies.
- Contributed to an **open vision project** by developing **image identification algorithms for person safety**, and delivered **optimal design recommendations** to streamline real estate website usability.

Projects

Multiple-Csv File Analyzer

- Developed a CSV analysis tool powered by the Llama 3 LLM model, enabling users to upload and analyze multiple CSV files efficiently. Deployed using Streamlit, the application provides insightful visualizations, data summaries, and interactive querying for enhanced data exploration and decision-making.
- **Tools Used:** Python, Ollama, Streamlit

E-commerce Reviews Sentiment analysis

- Built a sentiment analysis model to classify e-commerce reviews as positive, negative, or neutral using NLP techniques and machine learning algorithms like BERT, XGBoost, and Random Forest. Integrated with a Flask-based web application to upload CSV files for real-time sentiment insights and visual analytics
- **Tools Used:** HTML, CSS (Frontend), Python, Flask (Backend)

Open Source Community App

- Developed a collaborative platform for open-source enthusiasts, enabling seamless real-time communication, project collaboration, and knowledge sharing. Integrated role-based access control, domain-specific group chats, and a common discussion forum to enhance engagement. Built with a user-friendly UI/UX and secure authentication using university mail login
- **Tools Used:** Android (Frontend), Firebase (Backend), Firestore (Database), Kotlin

Krishna-Mental Health Chatbot

- Engineered a mental health chatbot to address the critical need for accessible emotional support, enabling individuals to articulate feelings and receive personalized, satisfactory replies. Built with Python, integrating Ollama and Gemma 3 (LLM) for advanced conversational AI, complemented by a user-friendly interface developed using HTML and CSS.

Skills

- **Languages:** Python, C/C++, Java, Kotlin
- **Cloud & Tools:** AWS, Firebase, MongoDB, MySQL, Docker, Git, GitHub, Postman, VS Code, Android Studio, Flutter
- **ML & Data Analysis:** Scikit-learn, TensorFlow, Pandas, NumPy, Matplotlib, Seaborn, Power BI, Excel

Leadership & Achievements

- **Project Lead** at VIT Bhopal University's **Open Source Club**, overseeing key development initiatives.
- **Finalist** at the prestigious **GVishwanathan Hackathon** organized by VIT Bhopal University, showcasing innovative solutions.
- **Participant** in **Smart India Hackathon 2024**, contributing to nationwide problem-solving challenges.