

DEV KAUSHIK

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Education

Vellore Institute of Technology, Bhopal

Bhopal, MP

- Bachelor of Technology, Computer Science with Specialization in AiML, CGPA-8.12 2021

-2025

White Leaf Public School

Meerut, Uttar Pradesh

- Class - 12th, Percentage – 84.2%

2021

Skills

- Languages:** Python, SQL
- Data Analysis:** Exploratory Data Analysis, Trend Analysis, MS Excel, Data Visualization tools
- Machine Learning:** Concepts of Machine Learning and ML Algorithms, Deep Learning, Natural Language Processing, OpenCV, LLMs, RAG, Vector Databases (FAISS, ChromaDB, Pinecone).
- Frameworks/Libraries:** Python's Data Driven Libraries; ML/DL Frameworks: TensorFlow, PyTorch, Huggingface Transformers, LangChain, ChromaDB. Development: StreamLit, Flask, React.
- Tools/Platforms:** IntelliJ, Google Collab, MySQL Workbench, VS Code, Git/GitHub.
- Soft Skills:** Flexible, Team-Oriented, Determined, Can Communicate Effectively.

Experience

Machine Learning Intern

SmartInternZ

| Aug 2023 – Nov 2023 | Remote

- Implemented credit card fraud detection algorithms, boosting accuracy by 40% and reducing false positives by 25%.
- Spearheaded the enhancement of processing workflows, delivering a 30% increase in speed and elevating security measures, thereby reducing transaction errors by 25% and increasing overall system reliability.
- Collaborated with cross-functional teams to present a capstone project demonstrating **advanced EDA, data preprocessing, and visualization techniques** tailored to real-world business use cases.

Academic Projects

AskGemini AI – PDF Chat Application | Python, Streamlit, Gemini API, Pdfplumber | 2025 [[GitHub Link](#)]

- Developed a generative AI-powered chat application enabling users to upload PDFs and receive contextually relevant answers, improving user interaction efficiency by 30%.
- Integrated Google's Gemini 2.0 Flash API for advanced question-answering capabilities, ensuring accurate and context-driven responses.
- Implemented real-time streaming of AI-generated responses within an interactive Streamlit UI, providing a seamless chat experience.
- Achieved persistent chat session memory, enhancing usability and user retention by 25%.

PersonalAI: AI-Powered Mock Interview Platform | Python, Flask, React, AssemblyAI, Gemini API | 2025 [[GitHub Link](#)]

- Engineered an AI-driven mock interview platform with real-time speech-to-text conversion and personalized feedback, increasing user preparedness and confidence.
- Integrated AssemblyAI API for accurate audio transcription, significantly improving response analysis accuracy by 20%.
- Leveraged Google's Gemini API to dynamically generate tailored interview questions and insightful feedback based on specific job descriptions.
- Built a responsive React frontend with live webcam integration, providing an interactive and realistic interview experience.

Certifications

- [Artificial Intelligence and Machine Learning Powered by Google Developers](#)
- Microsoft Certified: Azure Administrator Associate
- ["Privacy and Security in Online Social Media" By Swayam NPTEL](#)
- ["Computer Vision" By VITyarthi \(VIT Bhopal\)](#)

Co-curriculars

2nd Runner-Up, AI Club's Ideathon – AI Conclave 2022

AI Club, VIT Bhopal

- Secured 2nd Runner-Up position out of 50+ teams.
- Awarded a certificate and a cash prize of Rs. 6,000 for exceptional performance.

Member, AI Club VIT Bhopal | 2022–2023 | Bhopal, India

- Led the "AI Crypt" event, successfully attracting **100+ participants** and securing **Rs. 30,000 in sponsorships**, significantly boosting the club's visibility.