

ASHISH KUMAR PATEL

+91 8085467897 coashish.08@gmail.com LinkedIn GitHub Portfolio


Technical Skills

Languages: Python, Java, SQL


Frameworks: LangChain, TensorFlow, Flask, FastAPI

Technologies & Tools: NumPy, Pandas, Matplotlib, Seaborn, scikit-learn, OpenCV, RAG, LLM, Transformers, Data Analysis, Git, GitHub

Certifications

Oracle Cloud Infrastructure 2025 Generative AI Professional 

IBM AI Engineer Professional Certification (Coursera) 

Google Cloud Foundations Program (Google) 

Postman API Fundamental Student Expert 

Education

Vellore Institute of Technology, Bhopal Sept 2021 – Present
Integrated M.Tech CSE (Computational & Data Science), 8.83/10 Bhopal, MP

School of Excellence No. 1, Sidhi July 2020 – May 2021
MPBSE 12th, 98% Sidhi, MP

School of Excellence No. 1, Sidhi July 2018 – May 2019
MPBSE 10th, 98% Sidhi, MP

Projects

Behavioral Disorder Analysis | *python, supervised algorithm, RAG, LLM, Flask* June 2024 – September 2024
• Implemented a ML model for **early detection of behavioral disorders** in children aged 0-14, collaborating with 5 **healthcare professionals** to ensure accuracy and relevance.

- Integrated conversational chatbot and an intuitive interface with custom-built APIs for **real-time result prediction**, enhancing **user engagement by 30%** and accelerating processing speed by 20%.
- Built backend services managing **over 25+ user records** and **automating communication** with a 95% success rate.

E-commerce AI Agent | *Python, LLM, Plotly, FastApi, HTML, CSS, Js(Vanilla)* May 2025 – July 2025
• **Designed and Deployed** an advanced **AI-powered E-commerce Analytics Agent** that converts complex natural language questions into executable **SQL queries** to provide real-time business insights from a substantial sales dataset.
• **Enhanced User Experience and Transparency** by building a modern, **web interface** that visualizes the entire analytical workflow: Question → SQL Query → Answer → Interactive Plotly Chart.

Internship

Kalvium Nov 2025 – Present
Technical Academic Mentor On-site

- Mentoring 22-25 students at Lovely Professional University (LPU) , providing academic guidance in DSA, Machine Learning, and Generative AI.


NullClass EDTech Private Limited Feb 2025 – Apr 2025
Data Science Intern Remote

- Built Age-Gender detection system using OpenCV with **88% accuracy**. Completed full ML lifecycle.

TheSmartBridge Apr 2024 – Jun 2024
Business Analytics Intern Remote

- Performed data visualization and analytics on airline datasets to derive actionable insights.
- Collaborated with business teams for data-driven decision-making.

Achievements

- **Mental Health Assistant Using Machine Learning** – published by Springer in the book series Lecture Notes in Networks and Systems (SCOPUS Indexed, Q4, ISSN: 2367-3370). 
- Awarded **STARS Scholarship** at VIT for securing #1 rank in district (12th Board).
- Ranked **34th** in GSSoC'24 with 81 merged PRs and score of 2335.
- Solved **650+ LeetCode problems**; Rating: **1550 (Top 22%)**; CodeForces: 870; GFG: Top 2.89%.