

Ayush Bhatt

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Education

VIT Bhopal University

Bachelor of Technology in Computer Science

CGPA – 8.52

May 2021 - Ongoing

Technical Skills

Project Tools: Agile, Scrum, Kanban, Stakeholder Management, Risk Assessment

Tools & Languages: Python, SQL, PowerBI, Jira, Trello, Notion

Technologies: Google Cloud Platform, Apache Spark (PySpark), MLOps, Data Warehousing, ETL

Certification: Google Digital Leader (Cloud Certification), Google Professional Project Management Certification

Experience

The PreProd Corp

Data Analyst Intern

Nov 2023 – May 2024

- Developed a Flask-based ML pipeline for food demand forecasting (100K+ samples, RMSE 63) using Agile & Scrum for iterative improvements.
- Built interactive PowerBI dashboards, optimized DVC & MLFlow, and leveraged PySpark with Kafka for real-time data processing in a cross-functional Agile team.
- Built a comprehensive web application for seamless invoice generation, report creation, and CRM management, providing robust support to a client managing three hospitals and serving over 30 clients, streamlining operations, improving client interactions, and enhancing overall workflow efficiency.

Projects

SteganoMask

Python, Flask, SQLite, PowerBI, Git

Apr 2024

- Designed a Flask-based web application to add digital hidden watermarks to multimedia content, enabling content creators to control the use of data for AI training. Supports 4 multimedia formats: images, videos, audio, and text.
- Introduced minimalistic patterns into the data, causing the ML model to focus on these artificial patterns rather than learning the underlying natural relationships within the data.
- Reduced image classification accuracy from 95% to 40% and text sentiment analysis accuracy from 76% to 50%.
- Link: <https://stegnomask.onrender.com/>

QR Buddy

Python, Flask, SQLite, Git, Scrum

Jan 2024

- Created a web application for event ticketing and attendance management, featuring ticket creation, email notifications, admin control panel, and attendance scanning; handled 2500+ API requests.
- Deployed the system at three major events with over 500 attendees each, enhancing verification and attendance tracking.
- Led backend development and integrated the frontend within a 3-person team, delivering high performance.
- Link: <https://qrbuddy.pythonanywhere.com/>

Ticket Guru

Python, Flask, RAG, PowerBI, SQLite

Jun 2024

- Optimized a web portal for museums to manage online ticket bookings, verification, and data visualization.
- Implemented an AI-powered chatbot using Retrieval-Augmented Generation (RAG) via Gemini API for automated ticket booking and customer queries, enhancing user interaction in 7 Indian languages.
- Integrated Twilio for a WhatsApp-based chatbot, enabling ticket purchases through WhatsApp messaging.

Leadership / Extracurricular

Cisco Campus Ambassador, Microsoft Campus Ambassador

VIT Bhopal University

Jul 2021 – Present

- Delivered presentations to over 500 students, enhancing tech literacy by simplifying complex concepts.
- Led a team of over 15 people for conducting 5+ technical seminars, boosting student participation in tech initiatives.

VITronix VIT Bhopal (PR Lead)

Jul 2022 – May 2024

- Led and supervised a 20-member team in developing a humanoid robot using Arduino.
- Automated attendance generation, email distribution, and ticket creation using Python, cutting work across 300 records.