Ayush Bhatt

+91 9369528635 bhattayush15@gmail.com www.linkedin.com/in/ayushb5 https://github.com/AyushB21

Education

VIT Bhopal University   **May 2021 - Ongoing**
Bachelor of Technology in Computer Science
CGPA – 8.52

Technical Skills

Languages: Python, SQL, HTML, CSS, JS
Tools: Git, Docker, Apache Airflow, MLflow, Postman
Technologies: Google Cloud Platform, Apache Spark (PySpark), MLOps, Data Warehousing, ETL
Certification: Google Digital Leader (Cloud Certification), Google Professional Project Management Certification

Projects

SteagnoMask   *Python, Flask, SQLite, HTML, CSS, ML, 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, HTML, CSS, SQLite, Git*   **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, HTML, CSS, JS*   **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.

Experience

The PreProd Corp   **Nov 2023 – May 2024**
Data Analyst Intern
- Streamlined a Data and ML pipeline with flask powered frontend to forecast food demand, processing 100K+ data samples with an RMSE of 63 with FbProphet model.
- Created PowerBI dashboards for insightful data visualization, optimized DVC and MLFlow pipelines, and leveraged PySpark to efficiently process incoming data streams from Kafka queues.
- 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.

Leadership / Extracurricular

Cisco Campus Ambassador, Microsoft Campus Ambassador   **Jul 2021 – Present**
VIT Bhopal University
- 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.