Anushka Tyagi

Phone: 8439868537 || Email: anushka18.tyagi@gmail.com || LinkedIn || Github

Education

VIT Bhopal University	**August 2021 - June 2025**
B.Tech CSE specialization in AIML - CGPA- 8.64	
St. Ann's Senior Secondary School	**March 2019 – March 2020**
12th CBSE Board - Percentage – 72.8%	
St. Ann's Senior Secondary School	**March 2017 – March 2018**
10th CBSE Board - Percentage – 86.8%	

Technical Skills

Languages and Databases: Python, JavaScript, SQL, MongoDB, MySQL

Tools/Technologies: React.js, Node.js, Express, LLM, Langchain, GenAI , Linux

Other Skills: Machine Learning , Deep Learning

Certifications: AWS cloud practitioner , Ethnus MERN Full Stack

Work Experience

Software Engineering Intern at Apperture · **March 2024 –May 2024**

- Spearheaded the integration of data endpoints using Kafka queues, optimizing message handling and reducing data processing times, while coordinating cross-functional teams to ensure seamless implementation.
- Led the development of 10+ Metabase dashboards, collaborating with stakeholders to execute SQL queries and deliver actionable insights, enabling real-time KPI monitoring and strategic decision-making.

Projects

FitAI Coach - *React.js, Google Gemini API, ElevenLabs API* · **September 2025 – October 2025**

- Developed "FitAI Coach," a comprehensive fitness web application built with **React.js** that leverages **Gemini API** to engineer personalized workout and nutrition schedules based on individual user profiles.
- Implemented a multi-modal user experience incorporating AI-driven personalized suggestions, downloadable PDF plans, voice-guided instructions, and local session history storage for tracking user progress.
- Orchestrated the interaction between Google Gemini API for content generation, ElevenLabs for audio synthesis, and Pollinations.ai for dynamic imagery, utilizing local storage for seamless data persistence.
- Link - https://fitness-coach-rho.vercel.app/

PrabhaVIT - *Python, FastAPI, React, MongoDB, AWS, Gemini API,* · **January 2025 – April 2025**

- Developed "PrabhaVIT," a secure and moderated social network for university students, faculty, and alumni. This platform was built using React for the frontend, with a FastAPI and MongoDB backend.
- Integrated AI-powered content moderation using Google Gemini API to ensure a safe and respectful platform environment.
- Designed and managed the MongoDB database schemas and models, ensuring robust data handling for features like user profiles, academic forums, and resource sharing.
- Link - https://prabha-vit-project-smnx.vercel.app/

Ticket Guru - *Python, RAG, Flask, HTML, CSS* · **June 2024 – August 2024**

- Streamlined a web portal for 50+ museums, enhancing online ticket bookings, verification processes, and data visualization, resulting in an improvement in operational efficiency.
- Developed an AI-powered chatbot using Python and the Google Gemini API to assist tourists with ticket bookings.
- Leveraged Vector Store/Search to manage datasets of travel records and ticket availability, enabling the chatbot to retrieve relevant results in some seconds, significantly improving user experience.

Co-Curricular

- **SIH-2024:** Spearheaded the creation of a Chatbot at Smart India Hackathon 2024 using RAG technology.
  Link - https://www.youtube.com/watch?v=bS_LaNkQUl0
- **Hackathon:** Collaborated in 2 Major League Hacking Local Hack Days, where innovative solutions were developed for complex challenges while enhancing proficiency in emerging technologies relevant to the software development industry.

Leadership / Extracurricular

- Facilitated clear and concise discussions during project meetings and presentations.
- Resolved team conflicts by promoting mutual understanding and collaboration, leading to increased team