ADITYA KUMAR ANUPAM

S O F T W A R E   E N G I N E E R

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SUMMARY

I am a goal-oriented professional with good time management and problem-solving skills. Recognized for reliability and adaptability, with a strong capacity to learn and apply new skills. Committed to leveraging technical expertise and problem-solving skills that enhance team productivity and drive organizational growth.

PROJECT/EXPERIENCES

College Hub – Peer-to-Peer Academic Sharing App

Flutter | Supabase | PostgreSQL | Material 3   Jun 2025 - Jul 2025

- Built a cross-platform mobile app enabling students to share study materials and access internship/job opportunities seamlessly.
- Implemented secure authentication, personalized profiles, and file upload/download features using Supabase and Flutter.
- Designed a scalable, user-friendly interface following the Material 3 design system.

RAG-Powered Query Resolver with Google Gemini

Python | LangChain | Retrieval-Augmented Generation (RAG)   *Sept* 2025 - Present

- Built an intelligent document-based query engine that transforms static text files into a conversational knowledge base using RAG architecture.
- Integrated Google Gemini API to generate context-aware, human-like responses grounded in user-provided documents, minimizing irrelevant outputs.
- Implemented a retrieval pipeline for data ingestion, vector indexing, and contextual answer generation, making advanced AI search accessible and customizable.

Jharkhand Travel Itinerary Planner

JavaScript | Google Gemini API | Google Maps API   *Sept 2025 - Present*

- Developed an AI-powered travel itinerary planner for Jharkhand tourism, offering personalized and sustainable trip recommendations.
- Integrated Google Gemini API for smart itinerary generation and Google Maps API for an interactive map interface.
- Implemented carbon footprint analysis, hotel and attraction suggestions, and transportation mode optimization to promote eco-friendly travel.

SKILLS

- **Programming Languages:** Python, C++, HTML, CSS, JavaScript
- **Frameworks:** Flask, FastAPI, Django, React, Bootstrap, Flutter
- **Databases:** MySQL, MongoDB, Supabase
- **Tools:** Git, CI/CD, Docker, Kubernetes, Vercel
- **AI/ML:** Machine Learning, Fine-tuning LLMs, HuggingFace Transformers, PyTorch, NLP, LangChain, LangGraph

EDUCATION

Bachelor of Technology, Computer Science & Engineering   **Aug 2023- July 2027**
Lovely Professional University, Jalandhar   8.3 C.G.P.A.