

ANUJ PATWAL

 8433210214  Portfolio  anujpatwal126@gmail.com  linkedin.com/anujpatwal  github.com/anujpatwal

Education

Chandigarh University , near Gharuan , Mohali , Punjab

Expected May 2025

Bachelor of Engineering in Computer Science & Engineering

(CGPA: 8.20 / 10)

- **Relevant Coursework:** Data Structures and Algorithms (C++,Java), Operating Systems, Computer Networks, Object Oriented Programming (C++,Java), Software Engineering, System Designing.

Delhi Public School , Vidyut Nagar , Dadri , Uttar Pradesh

May 2021

CBSE Class - XII

(90 %)

Experience

LG Soft India

June 2024 - April 2025

Research Intern (Java Developer)

Bengaluru , Karnataka

- Worked on SOME/IP protocol, including service discovery, message serialization, and inter-process communication in automotive ECUs.
- Developed and implemented APIs as services and notifications for in-vehicle communication using SOME/IP, ensuring seamless data exchange between ECUs.
- Implemented notification mechanisms to ensure real-time event-driven communication between vehicle modules.
- Debugged and optimized Ethernet communication issues, improving reliability and performance in vehicle networks.

Projects

Community-Driven Code Editor | *Nextjs , TypeScript , Javascript , NoSQL Database*

- Users can write, execute, and share code snippets in an interactive online editor with syntax highlighting and error detection.
- Uploaded code is visible in the community section, where users can view, like, and comment on shared snippets.
- A freemium model restricts access to certain programming languages, with a Pro subscription unlocking full access via a payment gateway.
- Convex database ensures real-time updates for user data, code snippets, and community interactions, enhancing performance and scalability.

AI-Driven Finance Advisor | *React , Javascript , PostgreSQL , Gemini AI*

- Utilizes the Gemini API to analyze user income, budget, and expenses, providing personalized financial advice.
- Tracks user expenses in real-time, categorizes spending, and offers insights for better financial planning.
- Securely stores user financial data, transaction history, and budget plans for efficient data retrieval and analysis.
- Delivers AI-generated recommendations, spending alerts, and saving strategies to help users make informed financial decisions.

AI Chat : Smart AI Assistant | *Python , Hugging Face API , LLM , Streamlit*

- Utilized the Hugging Face API to invoke a reference model, leveraging the power of LLM (Mistral's Mixtral- 8x7B) technology.
- Deployed the application on Streamlit, providing users with a seamless and interactive experience.
- Demonstrated the capabilities of Mixtral- 8x7B, showcasing its superior performance over Llama 2 70B and GPT 3.5 in various tasks.

Technical Skills

Languages: C , C++ , Java , Javascript , SQL

Frameworks/Libraries: C++ STL, Java Collections, React , Vite , Nextjs , Nodejs , PostgreSQL

Concepts: Data Structures & Algorithms, Operating Systems, Computer Networks, Database Management Systems , Large Language Model, Relational Database, Restful APIs, Git, Github, Software Engineering, Multithreading , System Designing , Lower Level Designs.

Achievements

- Solved Over 350+ Problems on **LeetCode** with Average Contest Rating 1.4k.
- IIT Bombay Techfest 2023 Hackathon "TaskWhiz" Finalist.
- Devfolio Hackathon "Hack-O-Win" 2024 Finalist.