Anmol Agarwal

📞 9350045769 | 🔗 LinkedIn | 🏆 LeetCode | 🐙 GitHub | ✉ mailanmolat@gmail.com | 👨‍🍳 CodeChef | ✉ Website

Education

National Institute of Technology Kurukshetra, Haryana	Dec 2020 - Jun 2024
Bachelors of Technology in Electrical Engineering	CGPA: 8.9/10.0
DPS Panipat Refinery, India (12th)	Apr 2018 - Apr 2019
Central Board of Secondary Education	Percentage: 92.4
DPS Dhaligaon, India (10th)	Apr 2016 - Apr 2017
Central Board of Secondary Education	CGPA: 10.0/10.0

Work Experience

Infinity Learn (Hyderabad)
Jan 2023 - July 2023

Software Developer Engineer, Internship

Tech Stack - Python, Fast API, React.js, Apollo, GraphQL, AWS Lambda, Serverless Framework, SQL Alchemy

- Worked on asset management using **FAST API** and **Python** handling an average of **1000** request per minute
- Implemented secure **JWT authentication** mechanism, resulting in a **10% reduction** in unauthorized access attempts to API.
- Integrated a database using SQL Alchemy, resulting in a **50% improvement** in data retrieval speed and reducing database query execution time by an average of **200 milliseconds.**
- Created S**tudent tracking system** with **GraphQL, Apollo Server, React.js, and Python**, reducing data retrieval time by **40%.**
- Initiated **Apollo Server caching,** reducing **network requests** by 60% for faster access to frequently requested data.
- Developed a Redux-powered **order invoice component** in React, reducing code complexity by **30%** and enhancing **state management** efficiency.

LegoDesk (Remote)
Aug 2021 - Oct 2021

Software Developer, Internship

- Improved **website efficiency** by implementing **JavaScript optimizations**, resulting in **30%** increase in website performance
- Successfully resolved over **10 bugs** on the website, enhancing user experience and **ensuring smooth functionality**.
- Improved **productivity by 20%** through thorough **website testing**, issue resolution and innovative ideas for enhanced performance.

Projects

Twitter Clone Website| Live GitHub
Tech Stack - React.js, TailwindCss, Next.js, Prisma, MongoDB, NextAuth

- Authentication system is implemented with **JWT**, ensuring secure **user authentication** with **token-based authorization**.
- **Image upload functionality** supports **Base64 strings**, enabling seamless media sharing within the application.
- **Prisma ORM** with MongoDB ensures efficient **database management, enhancing performance** and data handling.
- The responsive layout adapt to various devices and screen sizes, providing optimal user experience across platforms.

Restaurant Web Application | Live GitHub
Tech Stack - HTML CSS JavaScript

- Improve the overall design to create a **visually appealing interface**, resulting in a **30% increase** in **user engagemen**t.
- Implement advanced search features like **filters, and sorting options**, resulting in a **25% reduction in search time for users.**
- Bookmarking functionality, resulting **50% increase** in user adoption and a storage capacity of **1000+ bookmarked recipes**.

News Application| Live GitHub
Tech Stack - Kotlin, Android Studio, MVVM Architecture

- Provides the **top 50 news** of the **current affairs** using the News API.
- Navigation Menu (Top, Search and Saved News) is integrated for **High-performance and Thread safety**.
- You can search for **1000+ news** according to various affairs (Designed using Firebase).
- Option of saving news articles. **Animated Advanced UI a**nd designs.

Technical Skills

Languages: C/C++ (Proficient), Python, Kotlin

CS Fundamentals: Computer Networks, Operating System, Database Management System, OOPS

Database: MongoDB, PostgreSQL

Framework: ReactJS, Node.js, Express.js

Developer Tools: IntelliJ, VS Code, Git, Android Studio

Achievements

- Got Selected for **Adobe Career Academy 2022** out of 5000+ students
- Solved **600+ problems** on coding platforms - **CodeChef, LeetCode, GeeksforGeeks**
- **Ranked 1 in May Long Challenge 2021** of CodeChef in Division 2
- **Cleared Qualification Round, Round 1C 5049 Rank** in **Google CodeJam**
- **Round C Rank: 5866** in **Google Kickstart**
- Among the **Top 20 teams** of NIT KKR in Smart India Hackathon
- JEE ADVANCED 2020 **Rank: 12375** (Top 1-2 percentile)