Aditya Tulsyan

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Education

Kalinga Institute of Industrial Technology, Bhubaneswar - B.Tech, CSE (8.38)	Sep 2022 - Present | India
Narayana School, West Bengal - Higher Secondary (GPA: 8.6)	May 2020 - Apr 2022 | India
Narayana School, West Bengal - Secondary (GPA: 8.3)	May 2017 - Apr 2020 | India

Experience

IoT Lab
Android Developer

- Contributed to a college society specializing in IoT, focusing on Android application development.
- Delivered multiple workshops and seminars, fostering technical growth among peers.

KodeWreck
Coder

- Organized and led college-wide coding contests, engaging students in problem-solving challenges.
- Contributed to the coding community by creating competitive programming resources and solutions.

Projects

StockFlow | GitHub Repo

- Developed a single-user inventory management system to track stock levels, add/update items, and maintain real-time inventory records.
- Integrated a billing module to generate and store transaction bills securely, ensuring organized and private business record-keeping.
- Created content using Kotlin and Jetpack Compose.
- Built backend using Java with Spring Boot.

LangChain AI Playground | GitHub Repo

- Implemented a series of AI applications using Python, LangChain, and VS Code, focused on step-by-step LLM integration.
- Explored advanced LangChain features: Chat Models, Prompt Templates, Chains (Sequential, Parallel, Conditional), and RAGs with embeddings and metadata.
- Implemented dynamic document-based interactions using Agents and Tools.
- Gained hands-on understanding of building context-aware LLM apps with memory and tool integration.

UPIBillMate | GitHub Repo

- Developed Android app to generate/manage invoices from GPay SMS using Kotlin and Jetpack Compose.
- Integrated Firebase/Firestore for real-time data storage and reduced load time.

Skills

- Programming Languages: C++, Kotlin, Java, Python, C
- Libraries/Frameworks: Jetpack Compose, Spring Boot, LangChain, Spring Security, NumPy, Pandas, Matplotlib
- Tools/Platforms: Android Studio, Jupyter Notebook, VS Code, Anaconda, Git, Photoshop, Figma, Postman
- Databases: SQL, Firebase, MongoDB, REST API
- Soft Skills: Problem Solving, Team Collaboration, Communication, Mentorship
- Competitive Profile Links: Leetcode | Codeforces | GeeksForGeeks | CodeChef

Achievements

- LeetCode Weekly Contest 408: Ranked 2040 out of 36,767 (Top 5.5%).
- LeetCode Biweekly Contest 149: Ranked 1962 out of 33,261 (Top 6%).
- Smart India Hackathon (SIH) 2024: Successfully advanced to the second round.
- Solved 680+ questions on LeetCode.
- Highest rating of 1849 and Knight badge on LeetCode.
- Highest rating of 1283 and Pupil on Codeforces.