Aadya Gupta

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Education

VIT Bhopal	**2022 – 2026**
Bachelor of Technology in Computer Science	CGPA - 8.94

Technical Skills

Languages - C++, Kotlin, Java, HTML, CSS, Python, SQL

Data Structures - Data Structures and Algorithm in C++, 250+ questions solved (200+ in Leetcode and 50+ in codeforces)

Technologies/Tools/Libraries: OpenAI API , Android Studio, MVVM, Room, Retrofit, Coroutines, Dagger Hilt, Jetpack Components, Git, GitHub, Firebase Cloud Messaging

Projects

DevCircle-Developer Community Platform | *Kotlin, MVVM, OpenAI, Firebase*　　　　　**December 2024 - Present**
- Built an Android app in **Kotlin** with **MVVM**, implementing real-time **trend sharing** and project showcasing features.
- Integrated **OpenAI** chatbot for algorithm analysis and **coding assistance** with multi-algorithm problem-solving
- Implemented **Firebase** Cloud Messaging for push notifications and **Dagger Hilt** for dependency injection
- Developed **user profile system** with **skill tagging** and project display

Lexicon AI Chatbot | *Kotlin, MVVM, OpenAI API, Room Database*　　　　　**August 2024 - October 2024**
- Engineered **Kotlin**-based chatbot using **MVVM**, Coroutines, and **OpenAI API** for real-time AI conversations
- Integrated Retrofit for API calls and **Room Database** for seamless **offline chat history** persistence
- Implemented **Coroutines** and Room DB caching to optimize chat loading performance and prevent UI freezing.
- Designed conversational UI with dynamic message bubbles and smooth scrolling

Flappy Bird Game-OOP-Based Project | *Java*　　　　　**September 2023 - November 2023**
- Designed and implemented a Flappy Bird game using core **Object-Oriented Programming (OOP) concepts**.
- Created algorithms for collision detection, scoring, and game dynamics, ensuring smooth gameplay.
- Showcased **problem-solving** and debugging skills through efficient error handling and optimization.

Extracurricular Activities and Achievements

- **Participated in DeepBlue Hackathon**: Engineered computer vision prototype at DeepBlue Hackathon using TensorFlow Lite and Android CameraX, achieving real-time object detection as the foundation for a measurement system.
- **100 Days of Code Completion Badge (Leetcode)**: Demonstrated consistency and commitment to coding by completing the popular 100-day coding challenge.
- **Weekly Contest Participation (Codeforces)**: Regularly participated in competitive programming contests, improving problem-solving and algorithmic skills.
- **Campus Tech Fest Organizer**: Organized and led technical events at VIT Bhopal, enhancing event management and team coordination skills.
- **Published Paper in International Conference on Frontiers of Progress and Development in Technologies, Management, and Healthcare in the Modern Era**: Co-authored and presented a paper titled *"Generative AI: A Review"*, exploring advancements in generative AI technologies and their applications across various fields.

Leadership - Community

- **Core Member of Fintech Club at VIT Bhopal** : Contributed to organizing events, managing social media strategies, and leading innovative fintech projects. Actively collaborated with peers to foster a thriving technical community
- **Event Coordinator for CodeQuest Finanza**: Successfully led the flagship event, which featured a **Paper Trading Round** to simulate stock market trading and a **Tech Finance Quest**, combining coding challenges with financial problem-solving. Ensured smooth execution and active participation from students.