

Atharv Agarwal

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EDUCATION

Vellore Institute of Technology (9.36 CGPA)
Bachelor of Technology in Computer Science and Engineering

Chennai, India
Aug. 2023 – May 2027

Delhi Public School Ranipur (95.6%)
Class XI - Class XII

Haridwar, India
Apr. 2021 – Mar. 2023

EXPERIENCE

Cryptocurrency Analyst Intern
Quest Global Technologies Ltd.

Jun. 2023 – Aug. 2023
Online

- Evaluated cryptocurrency trends for **3 clients**, helping them adjust strategies based on market trends.
- Strategized with **5+ influencers** to promote company projects, expanding audience engagement by **10%**.
- Revamped the company's budget, facilitating accurate tracking and allocation of cryptocurrency.

PROJECTS

Smart House

Java, Kotlin, Android Studio, Firebase, Weather API, Arduino, IoT

Jan. 2025
[Github Live](#)

- Developed a Smart House IoT system using **Kotlin & Android Studio**, allowing users to control home appliances remotely via **Wi-Fi & Bluetooth**. Real-time communication between the app & the **IoT devices**, improving the device response time by **25%**.
- Optimized the app to handle over **50-100 daily device** interactions, improving user experience with better **automation**.
- Used modern **IoT protocols** to reduce app latency by **20%**, reducing latency for a more **responsive interface**.

Smart Nav

Java, Kotlin, Android Studio, Firebase, Cloud Firestore, Google Maps API

Sep. 2024
[Github Live](#)

- Engineered a **3D navigation app** using Kotlin and XML, incorporating algorithms like **Dijkstra's** and **Breadth-First Search** to provide real-time platform directions, enhancing path finding speed by **30%** for **users**.
- Implemented **Firebase Cloud** for live train status and emergency services, handling **over 100 MB+ of real-time data** daily, enhancing real-time tracking for **5+ users**.
- Implemented **emergency services integration** and **food court locations**, enhancing user experience and safety during travel.

The Ultimate Manager

Python, SQL

Mar. 2023
[Github Live](#)

- Built an affordable management solution, enabling **20+ users** manage their institutional & personal data efficiently.
- Analyzed user requirements, creating a management system tailored to their needs, leading to a noticeable improvement in data processing efficiency.
- Leveraged **MySQL** for secure data storage with encrypted password protection, ensuring data security for all. Front-end crafted using **Python**, enhancing code readability and reducing debugging time by **10%**, even for beginners.

ACHIEVEMENTS AND PATENTS

Meritorious Award

Apr. 2024

- Received the Meritorious Award for **Rank 2nd in Branch** while maintaining a 9.79 GPA.

Lumi Dissect Light Pipe

Oct. 2024

- Recognized for a design patent for Lumi Dissect by the Indian Patent Office. This surgical tool can improve precision in medical procedures worldwide, particularly in resource-limited healthcare environments. The patent was recognized for its commercial viability and potential impact on global healthcare, 2024.

SKILLS

Languages: Java, C/C++, Python, SQL, Kotlin, JavaScript, HTML/CSS

Developer Tools: GitHub, Visual Studio Code, Android Studio, Firebase, AutoCAD

Libraries: pandas, NumPy, Matplotlib

Leadership & Communication: Management, Project planning, Financial planning, Effective communication

Flexibility & Activities: Quick learning, Social skills, Teamwork, Badminton, Sketching, Extracurricular participation.