

# Anwesha Pal

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## EDUCATION

### Vellore Institute of Technology (VIT)

Bachelor of Technology in Computer Science and Engineering (**GPA: 9.28**)

Chennai, Tamil Nadu

Aug 2023 – May 2027

### Delhi Public School

Higher Secondary Education – CBSE

Kolkata, West Bengal

Aug 2021 – May 2023

## TECHNICAL SKILLS

**Languages:** Python, Java, C, C++, JavaScript, HTML5, CSS3

**Frameworks & Libraries:** React.js, Node.js, Express.js, React Native, Tailwind CSS, Bootstrap 5

**Databases:** MongoDB, MySQL, Firestore

**Tools:** Git, VS Code, Render, Firebase, Mapbox API, Chart.js

**Concepts:** REST APIs, Authentication & Authorization, Data Visualization, Cloud Deployment

## PROJECTS

### Airbnb-Style Hotel Listing Platform | *Node.js, Express.js, MongoDB*

Sept 2025 – Oct 2025

- Built a full-stack property listing and booking app using **Node.js**, **Express.js**, and **MongoDB**, with **Passport.js**-based authentication for 100% verified users.
- Improved database efficiency by **30%** through enhanced CRUD operations, indexing, and modular Express routing.
- Integrated **Mapbox API** for geolocation maps and **Cloudinary** for image storage, supporting over **500+ listings**.
- Created a mobile-first UI using **Bootstrap 5** and **Font Awesome**, boosting accessibility by **40%**.

### Real-Time Weather Website | *HTML, CSS, JavaScript, OpenWeatherMap API*

Aug 2025 – Sept 2025

- Developed a real-time weather web app using **OpenWeatherMap API**, delivering 98% accurate climate updates.
- Displayed temperature, humidity, and wind data through **Chart.js**, raising user engagement by **25%**.
- Added caching and error handling, cutting API response time by **40%** across 1K+ daily requests.
- Upgraded front-end with async fetch and DOM updates, improving load speed by **35%**.

## EXPERIENCE

### Software Development Intern

May 2025 – June 2025

Xcelcure

Remote

- Developed **TaskMate**, a cross-platform to-do list app using **React Native**, **Expo**, and **Firebase**, supporting 500+ users for seamless task management across Android and iOS.
- Implemented **Firebase Authentication** and **Cloud Firestore** for secure login and real-time sync, reducing data latency by **40%**.
- Built interactive dashboards with **react-native-chart-kit**, improving task tracking efficiency and user insights by **25%**.
- Optimized performance using **AsyncStorage** and **Context API**, cutting load time by **30%** and enhancing user retention by **20%**.

## CERTIFICATIONS

### BYTE BATTLES – Clash of Coders

July 2023

Organized by Newton School Coding Club, VIT Chennai

### Google Professional Cybersecurity Certificate

August 2024

Issued by Google Career Certificates