

# Akshat Agarwal

agarwalakshat2710@gmail.com — +91 7778841815 — Portfolio — Github — Vellore, TN

Motivated IT student at VIT Vellore passionate about building end-to-end web applications using Next.js, React, Node.js, Express.js, MongoDB, and PostgreSQL. Enjoy turning ideas into scalable, user-focused products with clean, efficient code. Seeking a Full Stack internship in a fast-paced startup to contribute, learn quickly, and ship impactful features.

## Education

**Vellore Institute of Technology, Vellore** — B.Tech. in Information Technology      July, 2024 - 2028

- CGPA: 9.31
- Second-year undergraduate with strong foundation in Data Structures, DBMS, and Web Technologies

## Skills

**Languages:** JavaScript, TypeScript, HTML, CSS, SQL

**Frameworks & Libraries:** React, Next.js, Express.js

**Backend & Databases:** Node.js, MongoDB, PostgreSQL

**Tools:** Git, Github, Microsoft Office Suite

## Experience

**Centre for Social Entrepreneurship & Development** — Core Member      Mar 2025 – Present

- **R&D & Technical Operations:** Core member of the R&D and Technical Departments, contributing to technical planning, execution strategy, and digital workflow optimization for large-scale events.
- **Event Website Development:** Designed and deployed the official website for Auction 2 Action, ensuring performance optimization and smooth handling of concurrent users during peak traffic.
- **Event Execution & Coordination:** Collaborated with cross-functional teams to streamline logistics, technical requirements, and overall event operations.

## Projects

### ThinkBoard – Full-Stack Note Taking Application

- **Backend Development:** Designed and implemented custom RESTful APIs using Node.js and Express.js with secure authentication and session management.
- **Database & Caching:** Integrated MongoDB for persistent user data storage and implemented user-based rate limiting using Redis to ensure system stability.
- **Deployment:** Built and deployed the application with a responsive frontend using Next.js and React.

### Movie Vault – Movie Library Application

- **API Integration:** Integrated third-party movie APIs to fetch and dynamically display real-time data.
- **Frontend Architecture:** Built a responsive UI using React.js with asynchronous data handling and optimized state management.

### Line Up – QR-Based Queue Management System (Under Development)

- **Frontend Development:** Leading frontend implementation using Next.js and React, enabling users to join queues through QR code scanning.
- **Dashboard Design:** Developing an admin dashboard for queue management, notifications, and future analytics such as average wait times and peak usage tracking.
- **Database Integration:** Working with PostgreSQL and real-time state handling to ensure accurate queue updates.

## Interests

Full-stack development, System design, Backend architecture, Problem solving, Startup ecosystems