# M Aman Deol

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## EDUCATION

**Vellore Institute of Technology** — Vellore, TN
*Bachelor of Technology in Computer Science and Engineering with Specialization in Information Security* — *2022 – 2026*
- CGPA: 9.34

**Sri Chaitanya Junior College** — Hyderabad, TS
*Grade: 984/1000* — *2020 – 2022*

## POSITIONS OF RESPONSIBILITY AND ACHIEVEMENTS

**Technical Head, Web Development Lead, ADGVIT** | *Web Development* — 2024
- As the **Technical Head** of the club, I lead the web development team to design and deliver high-impact projects. I also manage technical initiatives, mentor members, and boost event website engagement by 30%, attracting over 1,000+ unique visitors.
- **Led and spoke at key workshops, including ParanorML (Machine Learning) and DeathCode (Web Development).** Delivered sessions on Regression and Clustering to 400+ attendees at ParanorML, achieving a 90% positive feedback rating. Taught Next.js and Tailwind CSS at DeathCode, with 200+ participants successfully completing projects. (LinkedIn Post)

**Adobe GenSolve Hackathon** — 2024
- Advanced to the 2nd round of the **Adobe GenSolve Hackathon**, placing in the **top 5%** of participants. Demonstrated outstanding problem-solving skills and innovative thinking throughout the competition.

## PROJECTS

**Repair Match** | *Nextjs, Supabase (PostgreSQL, Auth and Database Functions), Mapbox API* (Website) — 2025
- Developed a repair marketplace with **Next.js** and **Supabase**, featuring a **real-time bidding system**
- Designed secure **user authentication** and **role management** using **Supabase Auth** and **PostgreSQL**
- Integrated **Mapbox API** for **dynamic visualization** of repair jobs and provider availability
- Built **automated notification system** and review functionality for job management
- Optimized database queries using **Indexing** and implemented caching using **React-Query**, improving response times by **40%**

**CollegeThrift** | *MongoDB, Express.js, React, Redux Toolkit, Node.js* (GitHub Repository) — 2024
- Developed a full-stack e-commerce platform with **JWT authentication** and **MongoDB Atlas**, scaling to **1000+ users**.
- Improved data fetching by **25%** using **RTK Query** for caching.
- Integrated **PayPal sandbox** for secure payments and built modular **RESTful APIs** for product listings and order processing.
- Implemented **React Router v6** for seamless navigation and used **Redux Toolkit** for efficient state management
- Optimized performance with **lazy loading**, **code splitting**, and API efficiency, boosting speed by **35%**.

## TECHNICAL SKILLS

**Languages/Software**: Java, Python, C/C++, MongoDB, MySQL, JavaScript, TypeScript, HTML/CSS
**Frameworks**: Next.js, React, Prisma ORM, Redux ToolKit, Node.js, TailwindCSS, Framer Motion
**Developer Tools**: Git, AWS, Firebase, VS Code, PyCharm, IntelliJ, Eclipse
**Libraries**: Pandas, NumPy, Matplotlib, Mongoose, React Router v6, React-Query(Tanstack Query)

**Coursework**: Data Structures and Algorithms, Object-Oriented Programming, Computer Organization and Architecture, Database Management Systems

## CERTIFICATIONS

**AWS Certified Solutions Architect Associate (2024)**

Certificate