

SAMARTHYA ALOK

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EDUCATION

Bachelor of Technology in Computer Science

2022-2026

Vellore Institute of Technology

- CGPA - 8.90

EXPERIENCE

FullStack Developer

May 2024 - July 2024

6inc

- Designed and created a scalable, cloud-based platform, featuring role-based dashboards to provide tailored experiences for different user segments using **Typescript**.
- Implemented stringent security measures by incorporating advanced encryption techniques and leveraging JSON Web Tokens (**JWT**) for secure authentication, protecting sensitive user data using **ExpressJS**.
- Tested and validated the application using **Amazon EC2** within a CI/CD pipeline, ensuring successful execution of all test cases for reliable deployment.

FullStack Developer

April 2024 - May 2024

Bugbounty

- Led the frontend development, creating a user-friendly interface for the Hacker platform utilizing **NextJS**.
- Built features that allowed hackers to view company programs, submit detailed bug reports, and manage severity levels and payment information.
- Planned and executed the integration of the Hacker platform with existing company systems, improving workflows and collaboration.

FullStack Developer

March 2024 - April 2024

EnterSoftAudits

- Developed APIs and frontends for multiple user roles, integrating secure PDF storage using **AWS S3**.
- Executed report submission and access management features with **encryption** and **JWT** for secure authentication.

SKILLS

- **Programming Languages:** C++, JAVA, JavaScript, TypeScript, HTML
- **Frameworks/Libraries:** React, Next.js, Tailwind CSS, WebRTC
- **Databases:** MongoDB, PostgreSQL
- **Cloud Platforms:** AWS (EC2, S3)
- **Other:** Encryption, JWT, REST API, Zustand, Git

PROJECTS

TalentSphere | [Website link](#)

- Developed a full-stack **job recruitment platform** with secure user authentication, enabling companies to post jobs and students to apply and attend real-time interviews.
- Constructed a real-time video interview platform using **WebRTC** and **Socket.IO**, with integrated Monaco Editor, and error feedback for live coding assessments.
- Designed and integrated a **PostgreSQL** database with **Express.js** backend to manage job listings, company details, applications, and test records efficiently.

Trip Planner | [Website link](#)

- Developed a **MERN** stack application to authenticate users and collect trip details, including city, dates, and number of people.
- Integrated over 10 external APIs, such as **OpenTripMap**, to fetch data on hotels, food, and attractions.
- Integrated **JWT** for secure authentication and **Zustand** for efficient state management, ensuring a seamless trip planning experience.



30+ Repositories



Div 3



300+ questions