

SAMARTHYA ALOK

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EDUCATION

Bachelor of Technology in Computer Science

2022-2026

Vellore Institute of Technology

- CGPA - 8.81

EXPERIENCE

FullStack Developer in PesuVentureLabs

March 2024 - July 2024

6inc Project:

- Designed and implemented a scalable, cloud-based platform with a Netflix-like user interface, featuring role-based dashboards to provide tailored experiences for different user segments.
- Implemented stringent security measures by incorporating advanced encryption techniques and leveraging JSON Web Tokens (JWT) for secure authentication, protecting sensitive user data.
- Developed a robust API for managing user credentials securely via email, incorporating efficient data structures and algorithms to optimize performance and responsiveness.
- Implemented secure authentication with encryption and JWT.
- Gained experience in CI/CD, AWS EC2, AWS S3 and deployment testing.

Bugbounty:

- Led the frontend development, creating a user-friendly interface for the Hacker platform.
- Implemented 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.

EnterSoftAudits:

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

SKILLS

- **Programming Languages:** JavaScript, TypeScript, C++
- **Frameworks/Libraries:** Next.js, Tailwind CSS
- **Databases:** MongoDB, PostgreSQL
- **Cloud Platforms:** AWS (EC2, S3)
- **DevOps:** CI/CD
- **Other:** Encryption, JWT, API development, Full-Stack development, Zustand

PROJECTS

Task Manager (https://github.com/Samarthya21/Task_Manager)

- Used NextJS, Prisma, Typescript, Tailwind CSS to create a Task Manager where user can view completed, incompletd and important tasks. User can schedule the tasks using the calendar, and they are sorted according to the date.

Trip Planner (<https://github.com/Samarthya21/TripPlanner>)

- A MERN stack app that authenticates users and collects trip details like city, dates, and number of people. It integrates over 10 external APIs, including OpenTripMap, to provide data on flights, hotels, food, and attractions. Built with Next.js, Tailwind CSS, JWT for authentication, and Zustand for state management, offering a seamless trip planning experience