

AJAY THOMAS

+91 95147 33425 | ajaythomas.k2023@vitstudent.ac.in | [Portfolio](#) | [GitHub](#) | [LinkedIn](#)

EDUCATION

Vellore Institute of Technology (VIT)

B.Tech in Computer Science and Engineering (IoT)

- GPA: 9.04

Vellore, India

Expected March 2027

EXPERIENCE

Software Developer Intern

Securra Health

- Developed RESTful APIs using FastAPI and SQL, supporting reporting modules used by 50+ users
- Implemented daily, weekly, and monthly reporting systems, improving efficiency by 30%
- Refactored backend architecture to improve scalability and maintainability

June 2025 – July 2025

Chennai, India

Secretary

VinnovateIT – Tech Club

- Contributed to club website using Next.js, TypeScript, and Tailwind CSS
- Improved page load speed by 20% through frontend optimization
- Collaborated with a team of 6+ developers in an agile workflow

Jan 2026 – Present

Vellore, India

PROJECTS

Excel Report & Analytics Generator | *FastAPI, SQL* | GitHub

- Engineered a backend reporting system to generate Excel-based analytics dashboards
- Automated data processing workflows, significantly reducing manual reporting effort
- Designed and implemented RESTful APIs for report creation, filtering, and export

URL Shortener | *FastAPI, SQL, Docker, AWS* | GitHub

- Developed a scalable URL shortening service with unique key generation and redirection handling
- Containerized the application using Docker and deployed it on AWS for production use
- Implemented database-backed URL mapping for efficient lookup and high availability
- Built RESTful APIs for URL creation, retrieval, and expiration management

TECHNICAL SKILLS

Languages: C/C++, JavaScript, SQL

Frameworks: FastAPI, React, Next.js

Web: HTML, CSS

Tools: Git, Docker, MySQL, Figma

Concepts: REST APIs, Backend Development, Database Design, UI/UX

CERTIFICATIONS

IBM Cybersecurity Analyst Certificate

View Credential

Scrimba Full Stack Developer Path

View Credential