

Nadhish SN

Computer Science and Engineering student at VIT Chennai with interests in Web Development, Visual Design, Artificial Intelligence & Machine Learning, and Cybersecurity. Skilled in creating user-friendly, real-world applications with strong problem-solving abilities. Completed IBM certifications in DevOps, Agile, and Design Thinking. Gained hands-on industry experience as a Full Stack Web Development Intern at Future Interns. Former member of the Microsoft Innovation Club at VIT Chennai.

Work Experience

Virtual Experience Programs – Goldman Sachs & HSBC

- **Goldman Sachs – Software Engineering & Governance Analyst**
 - Assessed IT security by cracking outdated password hashing with Hashcat and proposed enhancements like stronger algorithms and extended policies.
 - Contributed to operations tasks including brainstorming net-zero initiatives, organizing project discovery, and analysing transaction data.
- **HSBC – Digital Business Services**
 - Completed a simulation focused on digital transformation within business services.
 - Explored technology-driven solutions and strategies to improve operational efficiency.

VIT - Chennai, Summer Research Intern

- Researched tidal current forecasting using XGBoost and LSTM for renewable energy systems.
- Compared models on accuracy and edge deployment feasibility (latency, model size, resource usage).

Future Interns - Full Stack Web Developer Intern

- Built a responsive portfolio website using React.js, Tailwind CSS, and 3D elements with Spline.
- Developed a full-stack e-commerce platform with Next.js, MongoDB, JWT auth, and Zustand state management.
- Created Automotive Showcase (BMW-inspired) using Next.js, React, Tailwind, and Framer Motion for immersive UI/UX.

Projects

SecureLynk – Secure IoT Data Transmission

Designed and deployed a multi-cloud system on OpenStack for secure IoT data transfer. Implemented AES encryption, secure networking, and scalable OpenStack services for encryption, processing, storage, and verified delivery of IoT data.

Penetration Testing & Ransomware Simulation (Metasploitable)

Conducted penetration testing and ransomware simulations on Metasploitable to identify vulnerabilities. Exploited system flaws, analyzed attack surfaces, and implemented mitigation strategies to enhance network security.

E-Commerce Platform

Developed a full-stack e-commerce application with Next.js, MongoDB, JWT authentication, Zustand for state management, and responsive UI with Tailwind CSS and Framer Motion.

Automotive Showcase (BMW-Inspired)

Created a conceptual automotive brand website using Next.js, React, Tailwind CSS, and Framer Motion. Integrated immersive animations, interactive car features, and optimized performance for all devices.








Educational Background

Bachelor of Technology in Computer Science & Engineering

Vellore Institute of Technology, Chennai

Aug 2023 - Present

Contact & Profiles

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Skills

Technical Skills

- Programming Languages
 - Python
 - C / C++
 - Java
 - SQL
- Web Development
 - HTML / CSS / JavaScript
 - React.js
 - Node.js
- Database & Cloud
 - Mongo DB / SQLite
 - Cloud Computing
 - Blockchain
- Cybersecurity
 - Ethical Hacking
 - Cryptography
 - Password Cracking
- AI/ML:
 - Artificial Intelligence
 - Machine Learning

Tools

- Tailwind / Bootstrap
- Spline
- Power BI

Certifications

- DevOps, Agile & Design Thinking

Languages

- English
- German - Deutsch
- Tamil