

B T Senthan Amuthan

senthanbalu@gmail.com — +91-9600506430 — LinkedIn — GitHub — LeetCode

EDUCATION

Shiv Nadar University Chennai

B.Tech in Computer Science (Cyber Security) CGPA: 9.15 [↗](#)

Aug 2023 – Aug 2027

Kalavakkam, India

EXPERIENCE

Software Development Engineer Intern

Dexio Designs (stipend internship) [↗](#)

June 2025 – Present

India

- Engineered responsive, production-grade UIs in Next.js + Tailwind for client-facing systems.
- Developed reusable UI components, enhancing development speed and minimizing frontend issues across releases.
- Led full-stack feature delivery – from designing HLD/LLD architectures to frontend-backend integration and Vercel deployment.
- Improved development efficiency and team velocity, contributing to faster sprint completion and fewer rollbacks.
- Converted Figma flows into pixel-perfect, accessible UIs with designers, cutting QA revisions by **50%**.

PROJECTS

Route Your Travel – AI-Powered Travel Platform [↗](#)

FastAPI, Gemini API, Next.js, Postgres

- Launched a static marketing site in **production**, using Next.js and Tailwind CSS for the live platform.
- Building an **AI travel assistant** that turns user photos and notes into carousel-style blogs via Gemini Vision.
- Developing a frontend with image upload, chat UI, and shareable blog card publishing.

TeamFlow – Real-Time Collaboration Suite [↗](#)

Next.js, WebSockets, WebRTC, PostgreSQL

- A collaborative workspace integrating whiteboard, real-time chat, and file sharing to enhance team workflows.
- Implemented a live canvas with **cursor synchronization** and persistent state management using Prisma.
- Structured the application in a **Turborepo**, enabling efficient CI/CD pipelines and modular code deployment.
- Enabled seamless peer-to-peer video/audio communication using **WebRTC**.

CyberHive – Cybersecurity Toolkit Platform [↗](#)

Express.js, MongoDB, WebSockets, Docker

- Built modular **microservices** for intrusion detection, port scanning, and Trivy-based vulnerability analysis.
- Developed **real-time dashboards** using WebSockets for streaming and monitoring threat logs.
- Used **Docker** for Trivy-based vulnerability analysis and MongoDB for persistent session/log storage.

SKILLS

- **Languages:** JavaScript, TypeScript, C++, Java, Python, C
- **Full Stack:** Next.js, React, Node.js, Express.js, FastAPI, Tailwind CSS, REST APIs, WebSockets, Figma (basic)
- **Database:** PostgreSQL, MongoDB, SQL, Prisma
- **DevOps/Tools:** Git, Docker, Postman, Jenkins (basic), Turborepo, GitHub, AWS (basic), CI/CD Pipelines
- **AI – Frameworks & Tools:** PyTorch, TensorFlow, LangChain

CERTIFICATIONS

- NPTEL Java Programming (Silver Medal) [↗](#)
- Complete Generative AI Course (LangChain + HuggingFace) [↗](#)
- Learn C++ Programming – Beginner to Advanced – Deep Dive in C++ [↗](#)

ACHIEVEMENTS & PARTICIPATION

- Finalist at **Envithon**; participated in Smart India Hackathon (**SIH**) 2023 & 2024, and SNUHacks.
- Solved 300+ LeetCode problems.
- **DevSecOps Workshops** Attended hands-on sessions on building secure CI/CD pipelines with industry tools.