

# Syed Sahil A

Chennai, Tamil Nadu, India

📞 8680974746

✉️ syedsahil28803@gmail.com

🌐 syed-sahil-a-fr35h3r

🔗 SyedSahil80328

CS graduate with hands-on experience in iOS app development, time series analysis, and hardware systems. Comfortable with Swift, C++, Python, and OOPS. Familiar with core data structures and problem solving. Experienced in collaboratively building responsive web apps with secure authentication and data handling workflows. Enjoy being communicative and independent to create practical solutions using clean design patterns, and unit testing.

## Experience

**Overall Experience - 1.25 years (3 Experiences)**

**Gen Digital Inc. (Formerly Symantec and NortonLifeLock)**

**Chennai, Onsite**

**Role:** Software Engineering Intern

**Jan 2025 – Jul 2025**

- Refactored iOS code, designed a UI screen for Norton VPN, supporting a minor release and fixing 5 P2 bugs.
- Wrote unit tests with 90% coverage to verify logic across two main modules.
- Migrated SafeSocial's data from PostgreSQL to DynamoDB, cutting query latency by 35% on large datasets.
- **Languages and Frameworks:** Swift, UIKit, SwiftUI, Xcode, XCTest, MVVM.
- **Letter Link:** INTERNSHIP COMPLETION LETTER

**Centre for Sponsored Research and Consultancy – Anna University**

**Chennai, Hybrid**

**Role:** Fellowship Intern

**Oct 2023 – Mar 2024**

- Built NavAid with real-time voice alerts and object detection for 91 classes.
- Integrated dual navigation (with/without GPS) using LangChain.
- Deployed on Raspberry Pi, achieving 98.63% detection accuracy.
- **Languages and Frameworks:** Python, Raspberry Pi, LangChain, pytsx3.
- **Certificate Link:** CENTER FOR SPONSORED RESEARCH AND CONSULTANCY

## Education

**Anna University, B.E. in Computer Science and Engineering - CGPA: (9.05/10.00)**

**Sep 2021 - May 2025**

**Coursework:** C and Java Programming, ADP, DSA, DBMS, OS, ML, Information Security.

## Skills

**Software/Development Tools:** Xcode, Visual Studio Code, Git, ChatGPT, Terminal, GitHub, Google Colab.

**Soft Skills:** Collaboration, Critical thinking, Time management, Software Development, Growth mindset.

**Languages:** Swift, Python, Java, HTML, CSS, JS, PHP, C, C++, SQL, Kotlin.

**Hardware:** Raspberry Pi, Digital components; **OS:** Windows, Ubuntu, Mac OS.

## Projects

**FallGuard: A Time Series Deep Learning Model for Intelligent Fall Detection**

- FallGuard detects falls from wearable sensor data, avoiding vision-based system limitations.
- Uses triaxial sensor signals, SMOTE augmentation, and InceptionTimePlus for classification.
- Achieved 98.84% accuracy and 96.29% fooling rate, outperforming 4 deep learning baselines.

**RailNet: Integrated Railway Operations and Ticketing System**

- Built a web app for managing railway operations and 100+ booking records with secure access.
- Used Flask, MySQL, HTML, CSS, JS, with TDES encryption and OOPS-based backend logic.
- Generated PDF tickets and voice alerts, improving usability across 90% of tested scenarios.

**ScaleServe: Containerized Web App Deployment with Docker and Kubernetes**

- Used Docker to containerize a web app, reducing deployment effort across varied environments by 40%.
- Designed frontend with HTML, CSS, JS, integrated MySQL, and added auto-scaling via Kubernetes.
- Tested concurrent execution across 3 OS and 5+ devices with consistent system performance.