

Syed Sahil A

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CS graduate with hands-on experience in Application Development and testing, time series analysis, AI, and hardware systems. Comfortable with Swift, Java, Kotlin, C++, Python, Data Structures and Problem Solving. Experienced in collaboratively building responsive web apps. Seeking to apply Application Development and testing skills with clean design principles, being communicative and interactive.

Experience

Gen Digital Inc. (Formerly Symantec and NortonLifeLock)

Chennai, Onsite

Role: Software Engineering Intern [Mobile Development]

Jan 2025 – Jul 2025

- Refactored code base, 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 2 modules.
- Migrated SafeSocial's data from SQL form to NoSQL, cutting query latency by 35% on large datasets.
- **Languages and Frameworks:** Swift, Xcode, XCTest, MVVM-C, Android Studio, Kotlin, PostgreSQL, DynamoDB.

Centre for Sponsored Research and Consultancy (CSRC) – 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, OpenCV, Raspberry Pi, LangChain, pyttsx3.

More Experiences: [Click Here](#)

Certifications: [Internship Completion Letter](#) | [CSRC Appreciation Certificate](#)

Projects

FallGuard: A Time Series Deep Learning Model for Intelligent Fall Detection [GitHub](#)

- FallGuard detects falls from wearable sensor data, mitigating 2+ 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 [GitHub](#)

- 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 [GitHub](#)

- 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.

More Projects: [Click Here](#)

Education

Anna University, B.E. in Computer Science and Engineering - CGPA: (9.04/10.00)

Sep 2021 – May 2025

Coursework: Computer Programming, DSA, DBMS, OS, Networks, Information Security, ADP, OOAD, ML.

Skills

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

Frameworks: SwiftUI, UIKit, XCTest, PyTorch, OpenCV, Flask, sklearn, STL.

Tools: Xcode, VS Code, Android Studio, Terminal, ChatGPT, GitHub, GitHub Pages, Jira, Google Colab.

Development Practices: MVVM-C, TDD, CI/CD, Agile, Design Patterns, Modular Programming.

Hardware and OS: Android and iOS Mobile, Raspberry Pi, Digital components, Windows, Ubuntu, Mac OS.