Syed Sahil A

Chennai, Tamil Nadu, India

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CS graduate with hands-on experience in iOS development and testing, time series analysis, AI, and hardware systems. Comfortable with Swift, Java, C++, Python. Familiar with core data structures and problem solving. Experienced in collaboratively building responsive web apps. Seeking to apply Swift, UIKit, and SwiftUI skills with clean design principles and AI, being communicative and interactive.

Experience

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 2 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-C, Combine.

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, 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
- 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:** (9.05/10.00)   *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, Combine, PyTorch, OpenCV, Flask, sklearn, STL.
Tools: Xcode, VS Code, Terminal, ChatGPT, GitHub, GitHub Pages, Jira, Google Colab.
Development Practices: MVVM-C, TDD, CI/CD, Agile, Design Patterns, Modular Programming.
Hardware and OS: iOS Mobile, Raspberry Pi, Digital components, Windows, Ubuntu, Mac OS.