



# Arnav Shah

Engr- I Software Development

## PROFILE SUMMARY

Software Engineer with hands-on experience in full-stack web development, cloud, and DevSecOps practices. Currently Engineer- I Software Development at Verizon working on Event Correlation Manager (frontend & backend). Strong in React.js, Node.js, PostgreSQL, Java, and modern CI/CD / static-analysis remediation (BlackDuck, Fortify, SonarQube). Proficient with GitHub Copilot for rapid development and quality code delivery.

## EDUCATION

2025

B.Tech/B.E.  
SRM Institute of Science & Technology, Chennai

2021

XIIth  
English

2019

Xth  
English

## PERSONAL INFORMATION

Email

arnavkshah2003@gmail.com

Mobile

(+91) 9390328637

Total work experience

5 Months

Social Link

linkedin.com/in/arnav-shah-

## KEY SKILLS

- Node.js
- React.js
- JavaScript
- PostgreSQL
- TypeScript
- Java
- SQL
- Git
- Gitlab
- GitHub
- SonarQube
- Blackduck
- Fortify
- 42Crunch
- REST APIs

## WORK EXPERIENCE

Jul 2025 - Present

Engr- I Software Development  
**Verizon**  
Event Management A Web Based application accessible to all NMCs, Supports GAM and User Profiles Alarm Correlation, Reporting, Ticketing, Automation visibility & control, Device Triage, and other services all in one Network Mgmt Application Consolidated System Views that focuses on working Network Outages by providing access to many of Service Assurance Applications

Jan 2025 - Jun 2025

Software Development Intern  
**Verizon**  
Experienced Full Stack development with expert skills in ReactJS, NodeJS, PostgreSQL, Blackduck and Fortify issue fixation. Participated in code reviews, automated test creation, and deployment activities.

Aug 2024 - May 2024

iOS Application Development Intern  
**Infosys**  
Developed 'MedNex' using SwiftUI and Firebase; applied Agile practices and contributed to end-to-end development and data analytics features.

AWS Basics

GitHub Copilot

Swift

Flutter

Agile

JIRA

Generative AI

OTHER PERSONAL DETAILS

City                      Hyderabad

Country                INDIA

LANGUAGES

- English

Projects

Event Correlation manager

ECM as a user-friendly dashboard. The goal is to provide engineers with actionable high-level information while simultaneously addressing the systemic issues that lead to alarm overload and inefficient workflows. ECM was designed to take information from multiple sources and determine if events were related. It aimed to provide a graphical overlay for wireless and MC (Mobility and Core) systems to better visualize issues at a national level and identify correlations. Functionality Goals: Correlation: To link events that might not be correlated in the original systems (like Noi), such as multiple echoes for the same underlying problem. Centralized Updates: To allow engineers to update information in ECM once, and have those updates propagate back to the source systems (like Noi), reducing the need for manual updates across multiple entries. Single Pane of Glass: The vision was for ECM to bring together relevant data from various tools (like Workbench, CND, IOP) into one place

CrewCrafter

CrewCrafter is an iOS application built using SwiftUI and Firebase, designed to help students and developers discover teammates and collaborate for hackathons. The platform enables users to publish hackathon announcements, browse active events, and connect with participants looking for teams. It includes secure authentication, smooth onboarding, and a real-time database backend that powers instant team formation, live profile updates, and synchronized collaboration across devices. An integrated chat system allows users to discuss ideas, evaluate compatibility, and coordinate before finalizing teams. By leveraging detailed user profiles, interest tags, and skill-based filters, the app delivers more accurate teammate matching and fosters meaningful project partnerships.

CycloCast

CycloCast is a deep learning–based forecasting system developed in collaboration with ISRO, leveraging INSAT satellite data to predict cloud evolution during cyclonic activity. It supports meteorologists by analyzing spatio-temporal cloud patterns to determine cyclone intensification or dissipation. The system uses a customized ConvLSTM architecture capable of modeling sequential weather data with high accuracy. Carefully designed preprocessing pipelines enhance the model’s ability to learn temporal transitions from satellite imagery. The project demonstrates how optimized ConvLSTM modeling combined with INSAT data significantly improves the reliability of cyclone cloud forecasting.

MedNex

MedNex is a fully functional healthcare application built to support three interconnected user personas: Doctors, Patients, and Administrators. The platform is designed with seamless integration, allowing all three modules to work together without friction. It includes secure authentication, appointment handling, medical record access, and administrative controls to streamline healthcare workflows. The system provides a unified experience where each persona interacts with shared data through tailored interfaces. MedNex is fully deployable and demonstrates efficient multi-role coordination within a single, cohesive application ecosystem.

## Monochrome Augmented Low-Light Image Enhancement

Monochrome Augmented Low-Light Image Enhancement is a deep learning-driven imaging project developed in collaboration with Samsung's Camera Solutions team. The work focuses on improving low-light photography by leveraging monochrome sensor data to enhance luminance detail and signal-to-noise ratio in short-exposure images. A tailored CNN-based architecture processes paired RGB-monochrome inputs to reconstruct clearer, noise-reduced images. Extensive dataset preparation, including over 1,500 curated low-light samples, enabled the model to learn fine-grained texture restoration and luminance features. The project demonstrates how monochrome-guided augmentation significantly boosts low-light image quality and supports next-generation mobile camera capabilities

## COURSES & CERTIFICATIONS

- OCI 2024 Generative AI Certified Professional
- ServiceNow Certified Application Developer
- ServiceNow Certified System Administrator
- AWS Academy Cloud Foundations