

Vicky Daniel Amalan

+91 9489574978

vicky16898@gmail.com

[linkedin.com/vickydaniel](https://www.linkedin.com/vickydaniel)

github.com/vickydaniel

Education

Northeastern University, Boston

Sep 2024 - May 2026 (Expected)

MS in Computer Science

National Institute of Technology Tiruchirappalli, India

Jul 2017 - May 2021

B.Tech. in Instrumentation and Control Engineering

GPA: 3.784 (Cum Laude)

Technical Skills

Languages: C, C++, Java, JavaScript, ABAP.

Tools and Technologies: SAP Fiori, ReactJS, AndroidStudio, Spring Boot, Node.js, Git, Docker, Cloud Foundry.

Concepts: Agile Methodology, Software Development Life Cycle, Microservices, Generative AI, Data Structures, Algorithms, ABAP on Cloud, Machine Learning, Neural Networks, API, Database Normalization, Cloud Computing.

Experience

SAP Labs India

Jul 2021 – Jul 2024 (3+ Years)

Software Developer

Bengaluru, India

- Worked as a **full stack developer** in the **Intelligent Situation Automation** team, enhancing a **cloud based ERP application** with REST API support and OpenAPI configuration, **boosting customer traction by 100%**.
- Previously worked in **ASM**, developing a master data API that improved **performance by 80%** through caching and optimized algorithms, while ensuring sustainability with **scalable design patterns and Test-Driven Development**.
- Acquired extensive experience in **building end-to-end functionalities** and have successfully resolved over **250 customer incidents** across the entire product portfolio, achieving a **90 percent customer satisfaction rate**.
- **Mentored junior developers**, supporting their smooth transition into **effective team contributors**.
- Recognized with awards for **Individual Excellence** and **Captain Quality**.
- **Technologies used:** Spring Boot, Node.js, Web Dynpro, ReactJS, ABAP RAP, SAPUI5, Fiori Elements.

SAP iXp

Jun 2020 – Aug 2020

Software Engineering Intern

Bengaluru, India

- Supported the development of a cloud-native caching microservice, **improving system efficiency by 80%**.
- **Resolved major notification bursts** for this service with aggregated alerts using optimized Elasticsearch queries, **reducing alert frequency by 90%**.
- Acquired proficiency in **Agile methodologies** and consistently implemented them in project workflows.
- Received a **Pre-Placement Offer** in recognition of excellent performance.
- **Technologies used:** Spring Boot, Node.js, Hibernate, Cloud Foundry, Dynatrace, Kibana, Elasticsearch, JMeter.

DELTA FORCE

Aug 2018 – Mar 2019

Software Developer

NIT, Tiruchirappalli, India

- Managed web-related activities for major cultural and technical fests of NIT Trichy.
- **Organized and led over 15 annual technical workshops and events**, equipping **500+ students with advanced skills in emerging technologies** while fostering a hands-on learning environment.
- **Technologies used:** Android Studio, React, Docker, Node.js, Firebase Authentication, Firebase Realtime Database.

Notable Projects

SYNCHLY

- **CLI to automate database backups** with customizable and recurring schedules.
- Implemented data encryption for secure storage of database backups, employing default Node.js encrypting modules to enhance data protection and confidentiality measures.
- Exposure: Node.js

WIRELESS HEART RATE MONITOR

- An Android application to visualize and monitor **heart rate data acquired wirelessly** from a **pulse oximeter**.
- Exposure: Android Studio, Arduino IDE.

FINGERPRINT SCANNER SERVICE

- Created a **RESTful API** that utilizes **fingerprint scanning technology** for user authentication, ensuring enhanced security and seamless access control.
- Exposure: Spring Boot