





# Kaushik Malikireddy

 [Kaushik Malikireddy](#) |  [Kaushik\\_Github](#) |  +1 857-398-8834 |  [malikireddy.k@northeastern.edu](mailto:malikireddy.k@northeastern.edu) | Boston, MA 02119

## Education

### Northeastern University, Boston, MA

Sep. 2023 - Expected May. 2025

#### Master of Science, Software Engineering Systems

Coursework : Object Oriented Design with Java, Web Design and UX Engineering

### PES Institute of Technology, Bangalore, India

Aug. 2016 - Aug. 2020

#### Bachelor of Engineering, Computer Science Engineering

Coursework : Data Structures, Web Development, SQL, Software Engineering

## Technical Skills

Computer Languages	Angular, C, Java, HTML, CSS, Linux, ReactJS, MySQL, Javascript, Typescript, NodeJS, Python
Software Tools	Azure DevOps, Git, Sonarqube, Agile, Figma, MongoDB, REST API, Postman
Misc. Skills	Azure, Data Structures, Algorithms, Android Dev, Web Developer tools

## Work Experience / Projects

### Northeastern University

Boston, MA

**ResQReach** • Community Centric Project • React, Typescript, NodeJS, MongoDB • [Link](#)

Sep 2023 - Present.

- Spearheaded a community-centric web application facilitating seamless reporting of crimes, emergencies, and natural disasters and announcing the sharing of surplus food to support the underserved community.
- Utilized feature based APIs like nodemailer API, stripe API, redux and tailwindcss to architect the innovative application, positively impacting over 30 individuals.

**CMS** • Cafe Management • Object Oiredted Programming in Java • [Link](#)

- Built on Java, Swing, JavaFX, MySQL, Object Oriented programming and Design Patterns.
- The Cafe Management System is a Java-based application designed to streamline and automate the operations of a cafe.

### ABB Global Industries & Pvt Limited

Bangalore, India

Associate Software Engineer - **Front-end** • [System Twin Integrity Hub](#)

Jan. 2021 - Aug. 2023

- Created a Web/Mobile linking 35+ IT systems, 15+ management domains, showcasing 100+ key performance indicators for data-driven decisions, driving targeted enhancements
- **Developed front-end applications for 3 years** using **Angular** and **TypeScript**, showcasing a high level of proficiency and expertise in these technologies.
- Engineered an automated web platform empowering business users to slash data collection and consolidation time from 10,000+ assets, collected from **distributed industrial sensor systems** by replicating data, by a minimum of 50%.
- **Fortified Azure CI/CD** with thorough third-party scans, cutting code issues by 30%, security vulnerabilities by 25%, and enhancing compliance.
- Worked with **production code** for 6+ versions of part of the company's flagship product, Genix System Twin Integrity Hub. (Link provided)
- Managed the full SaaS software development lifecycle: requirement analysis, design, coding, testing, deployment, and maintenance, ensuring best practices and timelines.

## Awards

**Best Club Award, 2020** • Charter President • Rotaract club of Palmville, Rotary District 3190

- Led 20 members in 100+ projects, earning 7+ awards as Rotaract Club of Palmville's founder and charter president

**Top 5 Ingenius Hack, 2019** • **Data Transfer using Sound** • PESIT Tech Hackathon

- Achieved reliable 10 messages/minute data transfer via high-pitched sound encoding with 98% decoding accuracy

**Emergency Detection using Computer Vision** • **Runner Up at ABB HackSummit** • ABB Hackathon Driving Discovery

- Created an advanced emergency alert system using Computer Vision, achieving a 95% accuracy in detecting human falls