

Kaushik Malikireddy

 [Kaushik Malikireddy](#) |  +1 857-398-8834 |  malikireddy.k@northeastern.edu | Boston, MA 02119
Available!: May - Aug 2024 (Internship/Co-op) | May 2025 (Full-time)

EDUCATION

- Northeastern University, Boston, MA** Sep 2023 - May 2025
Master of Science, **Software Engineering Systems**
Coursework : **Object Oriented Design with Java**, Web Design, **Database Design**
- PES Institute of Technology, Bangalore, India** Aug 2016 - Aug 2020
Bachelor of Engineering, Computer Science Engineering
Coursework : Data Structures, Web Development, Software Engineering

TECHNICAL SKILLS

Computer Languages	JAVA, Python, Typescript/Javascript , HTML, CSS, Node , Linux/Unix, C#
Databases & Frameworks	Angular, React , ExpressJS, MySQL, MongoDB, PostgreSQL
Software Tools	Git , Sonarqube, Figma, REST API, Postman, Github, ChatGPT
Misc. Skills	Azure Certified, Data Structures, Agile, Kubernetes, Docker

EXPERIENCE

- ABB Global Industries & Pvt Limited** Jan 2021 - Aug 2023
Associate **Software Engineer**
- ❖ Identified redundant code impacting API response times, introduced centralized handler, improving response time by 25% across assigned projects.
 - ❖ Troubleshooted issues related to Angular applications, **Docker** containers, and C# backend in production environments
 - ❖ Built an Angular solution, enabling real-time monitoring of 100+ KPIs to reduce emissions, potentially saving ~ 500 million USD.
 - ❖ Led Angular front-end development, ensuring cross-device compatibility. Directed UI team, established Azure pipelines, and integrated backend APIs for seamless data exchange.
 - ❖ Refined Azure CI/CD pipelines across multiple projects, reducing security scan and deployment time from 3 days to 6 minutes.
- Big Data Science Research** Nov 2020 - Jan 2021
Software Research Intern
- ❖ Used Splunk to create 10+ dashboards from Out of Memory and Health logs, boosting login and service issue detection by 20%
 - ❖ Utilized advanced regular expressions for log pattern detection to enhance error prediction by 30%.
- Maestro Digital Services** Jan 2020 - Mar 2020
Software Testing Intern
- ❖ Conducted exception & log analysis using Shell scripts to identify and report errors faster by 15%.
 - ❖ Incorporated Java applets, enhancing web page functionality and improving page load times by 20%.

PROJECTS

- DiagnoVet: Web App** to assist Veterinary Differential Diagnosis
- ❖ Ideated a Clinical decision support tool which reduces diagnosis time by approx 20 mins per day.
 - ❖ Automated dosage recommendation and calculation for animals using React UI, NodeJS backend, Web API and HTTP calls.
- ResQReach: Web App** to Report Emergencies, Access Preparedness guides and leftover food
- ❖ Built a React web app with Node and MongoDB backend with REST API for disaster preparation, impacted 20+ people.
 - ❖ Used feature APIs like nodemailer, stripe, redux, tailwind css and domain-driven UML to architect the application.
- MovieMate: Python Flask and SQL**
- ❖ Streamlined movie ticket booking, reducing reservation time by 20% for an enhanced user experience.
 - ❖ Python backend makes the site more responsive, increasing customer satisfaction and booking completion rates by 15%.

ACHIEVEMENTS

- ❖ **Best Social Service Club Award:** Rotaract club, 20 members, 100+ community centric projects, earning 7+ district awards.
- ❖ **Top 5 PES Hack:** 10 messages/minute data transfer via high-pitched sound encoding with 98% decoding accuracy.
- ❖ **2nd at ABB HackSummit:** Emergency alert system using Computer Vision, 95% accuracy in detecting human falls.