# RAKSHITHA GURURAJ

Seattle, WA | 650.609.1037 | gururaj.ra@northeastern.edu | linkedin.com/in/rakshitha-gururaj

## EDUCATION

**Northeastern University,** Seattle, WA **Expected May 2024**
**Master of Science in Computer Software Engineering**
 *Related coursework: Application Engineering and Development, Data Management and database design,*
 *Data Structures and Algorithms, Web design and user experience engineering*

**BMS College of Engineering,** Bangalore, India **August 2019**
**Bachelor of Engineering in Information Science** GPA - 3.97

## WORK EXPERIENCE

**JFrog,** Bangalore, India **November 2020 - September 2022**
**R&D Automation Engineer**
- Developed and implemented a framework for remotely executing test scripts on linux machines in a multi-cloud environment(AWS, AZURE, GCP), which increased test efficiency by 40% and reduced debugging time by 25%
- Automated the JFrog pipelines integration with Jenkins, resulting in a 45% decrease in test execution failure rate and eliminating the need for manual intervention. In addition, integrated the automation with the CI pipeline using mocha, javascript, and bash
- Developed bash scripts to automate installation of dependencies and JFrog pipelines on brand-new linux machines, reducing setup time by 75%
- Designed and developed automation framework, resulting in 76% reduction in manual testing and 43% improvement in test coverage, leading to a 50% increase in release speed
- Led and managed minor/patch releases as release manager

**Leanovate Info-solutions Pvt Ltd,** Bangalore, India **August 2019 - September 2020**
**Software Engineer**
- Developed and implemented a customer onboarding module that reduced onboarding time by 50% by automating the process of collecting customer data (in Excel format), processing it with pandas, and inserting it into a MongoDB database using PyMongo
- Developed 35 REST APIs for getting data analytic metrics, such as room utilization, visitor management, and capacity checks - which gave admins a detailed account of resource usage
- Developed a health monitoring module for the platform to improve device detection, accessibility and IoT device battery health, increased device uptime by 50%, and eliminated the manual process
- Improved user adoption and reduced training time by 30% by collaborating with UX teams on modules including visitor management, meeting room booking, admin dashboard, and visitor navigation
- Designed and implemented custom ReactJS components for building management web application

**Shippable, Inc,** Bangalore, India **May 2017 - July 2017**
**Software Developer Intern**
 Developed bash scripts to update Docker images, improving system stability and efficiency by migrating all Shippable services and pre-installed tools to the latest versions

## SKILLS

Java, Python, Javascript, React, HTML, CSS, Node.js, MYSQL, MongoDB, Docker, Kubernetes, R Language, C++

## ACHIEVEMENTS & VOLUNTEER EXPERIENCE

**Co-founder of HabbaOnline** **August 2020**
Developed an online platform that connects the Indian priests to families worldwide to help people celebrate festivals/rituals in a live virtual session.

**Department Coordinator for Information Science and Engineering** **September 2017**
National Level Annual Tech Symposium, Phase Shift 2017, BMS College of Engineering

## ACADEMIC PROJECTS

**Project Title**: Vaccination Management System **September 2022 - December 2022**
**Technology Used**: SQL Server, Java
- Developed a vaccination management application with SQL Server as database and Java as the programming language for the backend that efficiently processed large amounts of data
- Implemented features including patient record tracking, vaccine inventory management and appointment scheduling using SQL Server queries, functions, triggers, and stored procedures to effectively retrieve and manipulate data
**Roles and Responsibilities**: Software developer

**Project Title**: Social Media Data Analysis for Twitter and Facebook **January 2019 - May 2019**
**Technology Used**: R Language, R Studio
Developed a platform that presents valuable insights by processing the user requested topic and gathering relevant data from multiple social media platforms (e.g. Twitter, Facebook) with sentimental analysis
**Roles and Responsibilities**: Designing the flow of data, developing, testing, and deploying a pilot for a customer