

# RAKSHITHA GURURAJ

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## EDUCATION

Northeastern University, Seattle, WA

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*

Expected May 2024

GPA - 3.84 /4

BMS College of Engineering, Bangalore, India

Bachelor of Engineering in Information Science

August 2019

GPA - 3.97 /4

## 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%
- Automated the JFrog pipelines integration with Jenkins, resulting in a 45% decrease in test execution failure rate. 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 product on linux machines, reducing setup time by 75%
- Led and managed minor/patch releases as release manager
- Worked on bug fixes in the control plane and build plane modules of the pipelines product

Leanovate Info-solutions Pvt Ltd, Bangalore, India

August 2019 - September 2020

Software Engineer

- Developed and implemented a customer onboarding module to automate the process of collecting customer data, processing it and inserting it into a MongoDB database using PyMongo for a Building Management IoT platform
- Developed custom ReactJS components for the IoT platform including admin dashboard, user profile and settings, ticket manager, new visitor registration and room/ space booking modules
- Developed 35 REST APIs in javascript for getting data analytic metrics, such as room utilisation, visitor management, and capacity checks - which gave admins a detailed account of resource usage
- Developed a health monitoring module for the IoT platform to improve device detection, accessibility and IoT device battery health

## SKILLS

**Programming Languages:** Python, Javascript, Java, Go, Rust, C, C++, Bash

**Web Development and Tools:** HTML, CSS, React, Node

**Databases:** MySQL, MongoDB

**DevOps:** Docker, Kubernetes

## 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.

Student head for Information Science and Engineering Department

September 2018

National Level Annual Tech Symposium, Phase Shift 2018, 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 2022

**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:** Software Engineer