# Pranav Khismatrao

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## EDUCATION

**Master of Science**                                                                    **Sept 2022 – Apr 2024  |  Boston, USA**
*Northeastern University*
   Relevant Courses: Object Oriented Design, Web Design, Enterprise Software Design

**Bachelor of Engineering**                                                          **Aug 2016 – Oct 2020  |  Mumbai, India**
*University of Mumbai*
   Relevant Courses: Data Structures Algorithms, Database Management,

## SKILLS

**Programming**: *Java, Python, JavaScript, HTMLS, CSS, NodeJS, JSP, Bootstrap*

**Frameworks, Libraries, and tools:** *GitHub, Spring boot, Servlet Programming, Spring MVC, Hibernate, ReactJS, REST API, Microservices, Jira*

**Cloud Technologies:** *Kubernetes, Docker, AWS (EC2, RDS, S3), CI/CD, Jenkins*

**Databases:** *SQL, MongoDB, PostgreSQL, Aerospike, Firestore*

## PROFESSIONAL EXPERIENCE

**Software Developer**                                                                **Jan 2021 – Jul 2022  |  Mumbai, India**
*Tata Consultancy Services*
- Programmed 3 comprehensive solutions with a team of 3 leveraging RPA Technology along with 20 deploy cases utilizing Agile Methodology
- Designed a responsive website using the **Spring MVC Framework** with a multipurpose goal for the client-side team to view and search recorded team meetings increasing **employee efficiency by 50% and reducing delay by 90%**
- Developed and upgraded internal company applications utilizing Spring boot as the backend and **Thymeleaf** as the dynamic frontend.
- Developed Kafka clients in Java to handle over 100,000 messages per day using Kafka APIs, and frameworks such as Kafka Streams.

## PROJECTS

**AWS – Backend Infrastructure Project**                                                      **Mar 2023- Apr 2023**
*Northeastern University*
- Designed and developed enterprise infrastructure on AWS using Cloud Formation, Github actions and AWS AMIs
- Employed a secure and scalable online product system using AWS services such as VPC, EC2, RDS, S3, Route 53, IAM, Security Groups, Internet Gateway, and Route Tables, resulting in a **40% increase in system uptime** and a **30% reduction** in server maintenance time
- Provisioned CI/CD to host a backend web application as a SystemD service upon start of a EC2 instance

**CRM for Bank (Object Oriented Design Project)**                                             **Oct 2022 – Dec 2022**
*Developed at Northeastern University*
- Created a centralized system that allows customers to register and open accounts in a bank branch as well as credit and debit certain amounts according to business rules.
- Improved system performance by 30% and accelerated transaction processing, by using Java, Micronaut, and Aerospike NoSQL database.
- Leveraged JavaScript AJAX calls to make API Requests on the backend while HTML, CSS, and Bootstrap were used to build the frontend

**Online Movie Booking System**                                                              **Mar 2023-Apr 2023**
*Northeastern University*
- Built robust system using Spring boot, Hibernate, reducing its response time by 50% through code optimization and database indexing, resulting in enhanced user experience and customer satisfaction.
- Implemented RESTful APIs for seamless communication between the front-end and back-end systems, resulting in a 40% improvement in API response time and data transfer efficiency.
- Utilized Spring Security for authentication and authorization of users, ensuring a secure and reliable user experience with a 95% reduction in unauthorized access attempts.