

# Pranav Khismatrao

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## EDUCATION

### Master of Science, Software Engineering Systems

Northeastern University

Sept 2022 – Apr 2024 | Boston, USA

Relevant Courses: Object Oriented Design, Web Design, Enterprise Software Design

### Bachelor of Engineering, Information Technology

University of Mumbai

Aug 2016 – Oct 2020 | Mumbai, India

Relevant Courses: Data Structures Algorithms, Database Management,

## SKILLS

Programming: [Java](#), [Python](#), [JavaScript](#), [HTMLS](#), [CSS](#), [NodeJS](#)

Frameworks, Libraries, and tools: [GitHub](#), [Java-Spring](#), [Spring MVC](#), [ReactJS](#), [REST API](#), [Microservices](#)

Cloud Technologies: [Kubernetes](#), [Docker](#), [AWS](#), [CI/CD](#), [Jenkins](#)

Databases: [SQL](#), [MongoDB](#), [PostgreSQL](#), [Aerospike](#), [Firestore](#)

## PROFESSIONAL EXPERIENCE

### Software Developer

Tata Consultancy Services

Jan 2021 – Jul 2022 | Mumbai, India

- 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

### CRM for Bank (Object Oriented Design Project)

Developed at Northeastern University

Oct 2022 – Dec 2022 | Boston, USA

- 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

Northeastern University

Mar 2023-Apr 2023

- 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.

## PUBLICATIONS

### Phishing-Inspector: Detection & Prevention of Phishing Websites

International Conference on Automation, Computing and Communication 2020(ICACC-2020)

Jul 29, 2020