Pranav Khismatrao

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# EDUCATION

## Master of Science, Software Engineering Systems Sept 2022 – Apr 2024 | Boston, USA

*Northeastern University*

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

## Bachelor of Engineering, Information Technology Aug 2016 – Oct 2020 | Mumbai, India *University of Mumbai*

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 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

## CRM for Bank (Object Oriented Design Project) Oct 2022 – Dec 2022 | Boston, USA *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.

# PUBLICATIONS

[**Phishing-Inspector: Detection & Prevention of Phishing Websites Jul 29, 2020***International Conference on Automation, Computing and Communication 2020(ICACC-2020)*](https://doi.org/10.1051/itmconf/20203203004)