Pranav Khismatrao

[](mailto:khismatrao.p@northeastern.edu)[](https://pranav014.github.io/Portfolio.github.io/)[](https://www.linkedin.com/in/pranav-khismatrao-61592186/) Boston, USA [khismatrao.p@northeastern.edu](mailto:khismatrao.p@northeastern.edu) +18576931743 [Portfolio](https://pranav014.github.io/Portfolio.github.io/) [LinkedIn Profile Link](https://www.linkedin.com/in/pranav-khismatrao-61592186/)

# 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,*

**Frameworks, Libraries, and tools:** *GitHub, Java-Spring, Spring MVC, JPA, Hibernate, REST API, React, Microservices, Kafka*

**Databases:** *SQL, MongoDB, Firebase*

# 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, libraries, or frameworks such as Kafka Streams, Kafka Connect, or Confluent Platform

# 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.
* Leveraged Hibernate ORM for object-relational mapping and efficient database operations, resulting in a 15% reduction in database management overhead and improved data integrity.

# 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)