Pranav Khismatrao

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# EDUCATION

## Master of Science

*Northeastern University*

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

## Bachelor of Engineering

*University of Mumbai*

Relevant Courses: Data Structures Algorithms, Database Management,

2022 – 2024 | Boston, USA

2016 – 2020 | Mumbai, India

# 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 improved internal company applications using Thymeleaf for dynamic frontend and Spring MVC as Backend
* Developed Kafka clients in Java, Scala, Python, or other languages, 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 *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.
* Utilized Java as the backend technology implementing Object Oriented Design Principles, **Micronaut** as the API creation framework following Factory design pattern for better performance and code efficiency, and Aerospike as NoSQL real-time 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*

* Developed an Online Movie Booking system using Java Spring Boot framework, Hibernate applying DAO Pattern to access Data from SQL Database.
* 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)