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, Power Apps, PowerBI*

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

**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 t4eam 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
* Delivered 2 end-to-end projects utilizing JavaScript, REACT and NodeJS with MongoDB as the backend database for internal project team usage, displaying data from APIs with rich User Experience and functionalities using Visual Studio

# 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)