**Pranav Khismatrao**

Boston, MA • 8576931743 • [khismatrao.p@northeastern.edu](mailto:khismatrao.p@northeastern.edu) • linkedin.com/in/pranavkhismatrao/

**Education**

**Master of Science, Software Engineering Systems** **Expected May 2024**

Northeastern University, Boston, MA **GPA: 4.0**

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

**Bachelor of Engineering, Information Technology** **Oct 2020**

Mumbai University, India

Relevant Courses: Data Structures Algorithms, Database Management, Cloud Computing

**Technical Skills**

**Programming:***Java, Python, JavaScript, HTML5, CSS, NodeJS*

**Frameworks, Libraries and tools:***GitHub, Java-Spring, Spring Boot, JPA, Hibernate, REST API, Maven, Android Application Development*

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

**Professional Experience**

**Tata Consultancy Services**, Mumbai, India **Jan 2021 - Jul 2022**

Software Developer

* Accomplished 6 months of training held by the organization with course content including **C# language, and MVC framework**.
* •Built complex architecture for required problem statements with RPA techniques according to the Client's requirements and complications with an optimal solution that increased efficiency by 20%
* •Programmed 3 comprehensive solutions with a competent team of 3 leveraging RPA technology along with testing 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 unwanted delay by 90%.
* •Developed and improved internal company applications using **Thymeleaf** for Frontend and **Spring boot** Backend.

**Academic Projects**

**CRM for Bank (Object Oriented Design Project) Nov 2022-Dec 2022**

* 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
* JavaScript was utilized to call APIs on the backend while HTML, CSS, and Bootstrap were used to build the frontend

**Online Movie Booking System**

*Northeastern University* **Mar 2023 – Apr 2023**

* •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.
* •Designed and implemented various functionalities, including user registration, movie selection, seat reservation, and payment processing.
* •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 (ICACC-2020):** Detection & Prevention of Phishing Websites, International Conference on Automation, Computing and Communication 2020