Pranav Khismatrao

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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

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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