Pranav Khismatrao

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EDUCATION

Master of Science 2022 – 2024 | Boston, USA
Northeastern University
    Relevant Courses: Object Oriented Design, Web Design, Enterprise Software Design

Bachelor of Engineering 2016 – 2020 | Mumbai, India
University of Mumbai
    Relevant Courses: Data Structures Algorithms, Database Management,

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*)

Soft Skills: (*Entrepreneurial Spirit, Organizational skills, Communication, Teamwork*) │ **Databases:** (*SQL, MongoDB, Firebase*)

PROFESSIONAL EXPERIENCE

Software Developer Jan 2021 – Jul 2022 | Mumbai, India
Tata Consultancy Services
- 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.
- Delivered 2 end-to-end projects utilizing JavaScript, JSP, and NodeJS with Mongo DB 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) 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**
- JavaScript was utilized to call APIs 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.
- Designed and implemented various functionalities, including user registration, movie selection, seat reservation, and payment processing.
- Utilized **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*)