Pranav Khismatrao

Boston, MA • 8576931743 • 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 languages: Java, Python, JavaScript, .Net, C#
Web Technologies: HTML5, CSS, JavaScript, Bootstrap, Java Servlet Programing
Frameworks: NodeJS, Android, .NET MVC, Spring MVC, Spring Boot, API Programming
Soft Skills: Entrepreneurial Spirit, Organizational skills, Communication, Teamwork, Problem-solving skills
Databases: SQL, Mongo DB, Firebase
Certifications: Oracle Java Associate

Professional Experience

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

- Accomplished 6 months of training held by TCS 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 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 NodeJS 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%.
- Delivered 2 end-to-end projects utilizing JavaScript, JSP and NodeJS with mongo DB as backend database for internal project team usage, displaying data from APIs with rich User experience and functionalities using visual Studio

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

Phishing-Inspector **Jan 2020**

- Extracted features from the website's HTML and URL, such as the presence of certain keywords and the length of the URL, and uses them to train a model utilizing python programming language
- Evaluated the performance of Phishing-Inspector using a dataset of 9,318 websites, of which 4,641 were legitimate and 4,677 were phishing.
- Achieved an accuracy of **97.85%**, a precision of 97.91%, a recall of 97.78%, and an **F1 score** of 97.84%
- Conducted a feature analysis to identify the most important features for phishing detection. The length of the URL and the presence of certain keywords, such as "login" and "password," were the most important features

Publications

Phishing-Inspector (ICACC-2020): Detection & Prevention of Phishing Websites, International Conference on Automation, Computing and Communication 2020