

# Pranav Khismatrao

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## Education

### Master of Science, Software Engineering Systems

Northeastern University, Boston, MA

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

Expected May 2024

GPA: 4.0

### Bachelor of Engineering, Information Technology

Mumbai University, India

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

Oct 2020

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## Technical Skills

**Programming languages:** Java, Python, JavaScript

**Web Technologies:** HTML5, CSS, JavaScript, Bootstrap, Java Servlet Programing

**Frameworks:** NodeJS, Android, 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

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## 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

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## 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

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## Publications

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