

# Pranav Khismatrao

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## Education

### Master of Science, Software Engineering Systems

Northeastern University, Boston, MA

Relevant Courses: Object Oriented Design (Grade: A), Web Design (Grade: A)

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

## Technical Skills

**Programming languages:** Java (Android Application Development Object oriented Programming)

**Web Technologies:** HTML5, CSS, JavaScript, jQuery, Bootstrap

**Frameworks:** NodeJS, .Net MVC, Android, iOS

**Software:** Microsoft Visual Studio, MS Office, IntelliJ IDEA

**Databases:** MySQL, Mongo DB, Firebase

**Certifications:** Oracle Java Associate

## Professional Experience

### Tata Consultancy Services, Mumbai, India

Jan 2021 - Jul 2022

Assistant System Engineer

- 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, **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
- Employing the same backend but a **JavaFX** user interface, a Relationship Manager-facing application that would serve as software in a bank branch was built

### Smart Services Android App

Jan 2020

- Android Application developed using Java that provides food delivery order management services to students as well as Lost and Found service on Campus
- Successfully built prototype in a three day hackathon organized by department
- Integrated the application with noSQL database such as Firebase to manage data flow of each user and inventory
- Constructed security mechanism configured with firebase to maintain integrity and consistency of each user's data by applying login authentication

## Publications

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