

# Shranik Vora

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## EDUCATION

### Carnegie Mellon University

Pittsburgh, PA

*Master of Information Systems Management*

December 2020

- Coursework: Distributed Systems, Object Oriented Programming in Java, Data Structures for Application Programmers, Database Management Systems, Agile Methodology, Applied Data Science, Data Science for Product Managers

### K. J. Somaiya College of Engineering

Mumbai, India

*Bachelor of Technology (Information Technology)*

May 2019

- Coursework: Data Structures, Database Management Systems, Data Mining, Big Data Analytics, Artificial Intelligence, Business Analytics, Development Frameworks

## SKILLS

*Programming:* Java, SQL, Python (pandas, numpy, scikit, scipy), Django, C/C++, HTML, CSS, Bootstrap, PHP, ReactJS

*Tools:* Git, MATLAB, Android Studio, Google Firebase, Eclipse, IntelliJ IDEA, Atom, Microsoft Office Suite

*Certificate Courses:* Python Data Structures, Coursera

## WORK EXPERIENCE

### Bhabha Atomic Research Centre (B.A.R.C)

Mumbai, India

*Android Development Intern*

June 2018 – September 2018

- Implemented two-factor authentication for login which included OTP generation using Google Firebase's Authentication and Cloud Firestore to store User information.
- Created a module in order to update the application in case of the availability of a new version using Remote Config.

### Accelerate Business Solutions

Mumbai, India

*Web Development Intern*

May 2017 – June 2017

- Worked in the Quality Assurance team to find critical bugs on the website developed, resolved the bugs and deployed the changes along with the development team.
- Developed a front-end complete landing page using JSP, Servlets, CSS and Bootstrap as per the design given by the client.

## ACADEMIC PROJECTS

### Brain Tumor Detection and Classification

Spring 2019

- Devised a non-invasive technique to detect and classify brain tumor using ANN, CNN and Bagged Trees with an accuracy of 91%. **Publications:** "Brain tumor Detection and Classification", International Conference on Advancements in Computing and Management, Springer 2019 (publication pending)

### Backend REST API for User Profiles

Spring 2020

- Programmed a REST API that supported user profile registration and updating, user authentication, posting status updates and viewing other user's status updates.
- Employed Vagrant to set up the virtual server, Python and Django framework to write the application code.

### House Your Pet

Spring 2020

- Designed a website for a pet hotel or recreation center which allowed users to book hotel rooms for their pets.
- Included authentication for customers and administrators with email confirmation, an interface for customers to view available rooms and book them and internationalization(i18n) to view the website in different languages.
- Used ReactJS to create a fluid UI, GraphQL and Node.js at the backend and SQLite as my database.

### Word Nerd Java Application

Fall 2019

- Delivered a Java Application in a series of three versions which let users play the famous Hangman and Twister word games. Users could also keep a track on their history of scores and words encountered
- Implemented JavaFX, Java beans, bindings and exception handling to provide a dynamic, error free user interface.

### E-Commerce shopping website

Fall 2018

- Created an online E-commerce clothing store website using HTML5, CSS3, Java script, Bootstrap, PHP, MySQL with capabilities to filter products according to user's choice, shopping cart, updating inventory and session management.

## LEADERSHIP & ACHIEVEMENTS

### 2<sup>nd</sup> Position Heinz Solutions Challenge, Carnegie Mellon University

August 2019

- Designed a wearable device solution for people suffering with Alzheimer's that will lower the cost of locating/nursing them.

### Sports Secretary, K.J.S.C.E Students' Council

June 2017 – June 2018

- Led a team of 150+ students and organized national level sports festival SKREAM with a budget of \$50,000 dollars.

### K.J.S.C.E Parvaah

June 2017 – May 2019

- Organized social events like LGBTQ pride walk, Plastic & E-Waste collection drive, Marathon for a social cause.
- Volunteered in the world's biggest beach cleanup drive and was recognized by UN for the contribution.