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, Coding Bootcamp, Database Management Systems, NoSQL Databases, Agile Methodology, Applied Data Science

K. J. Somaiya College of Engineering — Mumbai, India
Bachelor of Technology (Information Technology) — May 2019
- Coursework: Data Structures, Algorithms, Data Mining, Big Data Analytics, Artificial Intelligence, Development Framework

SKILLS

Programming: Java, C#, SQL, Python (pandas, numpy, scikit, scipy), C/C++, HTML, CSS, PHP, JavaScript
Frameworks & Databases: Bootstrap, Django, ReactJS, .NET Core (EF Core), Vue JS, Oracle 11g, MySQL, MongoDB
Tools: Git, Heroku, MATLAB, Android Studio, Google Firebase, Eclipse, IntelliJ IDEA, Atom, Microsoft Office Suite

WORK EXPERIENCE

Cambium Assessment — Washington DC, USA
Software Engineering Intern (Full-Stack Development) — May 2020 – August 2020
- Developed a full-stack REST-based web application for student Report Card template generation which replaced the manual designing of report cards for every K-12 client schools.
- Modeled a fluent template builder with a simple drag and drop feature to add Report Card contents as widgets using Vue JS framework at the front-end and thus creating a storable Scorecard PDF.
- Incorporated client settings to tailor-make each template unique for each client using .NET Core at the back end with Entity Framework (EF) Core serving as an object-relational mapper(ORM) and MySQL as the database.

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 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.
- Engineered a 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.

Covid-19 Tracker Android App — Spring 2020
- Delivered an Android application which provides statistics of COVID-19 in a user-entered country, such as the number of positive cases, deaths, and recovered patient in real-time by communicating with a web service deployed on Heroku.
- Deployed a RESTful web service that communicates with a 3rd party API to provide JSON responses to the Android app.

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.

LEADERSHIP & ACHIEVEMENTS

Graduate Teaching Assistant (Distributed Systems & Database Management), Carnegie Mellon University — Fall 2020
- Conducted laboratory sessions and weekly office hours for problem solving and graded student projects/assignments.

Sports Secretary, K.J.S.C.E Students' Council — Fall 2017 – Fall 2018
- Led a team of 150+ students and organized a national level sports festival SKREAM with a budget of $50,000.