

Shranik Vora

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EDUCATION

Carnegie Mellon University

Pittsburgh, PA

Master of Information Systems Management (GPA: 3.74/4)

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 (Computer Science) (GPA: 3.82/4)

May 2019

- Coursework: Data Structures, Algorithms, Development Framework, Artificial Intelligence, Data Mining, Big Data Analytics

SKILLS

Programming: Java, C#, SQL, Python, C/C++, HTML, CSS, PHP | **Databases:** Oracle 11g, MySQL, MongoDB, Redis, Cassandra, Neo4j

Frameworks: Spring Web MVC, Spring Boot, JavaScript ES6+, ReactJS, Node.JS, Django, .NET Core (EF Core), Vue JS, Bootstrap

Tools: AWS (EC2, S3), Git, Heroku, Docker, MATLAB, Android Studio, Google Firebase, Microsoft Office Suite

WORK EXPERIENCE

Cambium Assessment

Washington DC, USA

Software Engineering Intern (Full-Stack Development)

May 2020 – August 2020

- Developed a RESTful full-stack web application to automate Report Card generation for K-12 client school students, thereby saving 10+ hours of manual design work of the Operations Team.
- Applied Vue JS at the front-end to design a user-friendly template builder that supported drag and drop features for adding Report-Card segments as widgets, reducing Report-Card generation time by 3x.
- Stored pre-processed Score Card templates in SQL database, improving reusability & reducing production cost by 50%.
- Used .NET Core at the back end along with Entity-Framework Core as an Object-Relational Mapper (ORM) to incorporate dynamic Report Card settings, hence making the application customizable according to client requirements

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

Mumbai, India

Android Development Intern

June 2018 – September 2018

- Implemented two-factor authentication (Password & OTP generation) for an internal email application catering to more than 25,000 company employees, using Google Firebase's Authentication and Cloud Firestore.
- Designed and developed a service providing Over-The-Air (OTA) latest software updates for the app 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 over 70+ Jira bug tickets, and deployed the changes along with the development team.
- Engineered a dynamic and interactive landing page using Spring MVC and Node.JS 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 tumors using ANN, CNN, and Bagged Trees with an accuracy of 91%, thus shortening the normal detection period of 2 weeks to few minutes. **Publications:** "Brain tumor Detection and Classification", International Conference on Advancements in Computing and Management, Springer 2019.

Covid-19 Tracker Android App

Spring 2020

- Built an Android application providing country-wise COVID-19 graphs and statistics like 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