Viren Velacheri

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Education

The University of Texas at Austin • Austin, TX August 2018 – May 2022
Bachelor of Science • *Computer Science* • GPA: 3.96/4.0 (Honors)

Technical Skills

- **Programming languages**: Java, Python, HTML, CSS, JavaScript, SQL, C, C++, MATLAB, R.
- **Computer Skills/Technologies**: Linux, Git, Heroku, React JS, MongoDB, Django, Node.js, Express, jQuery, AWS, Spring Boot, REST APIs, Jenkins, Maven, Gradle, Spark, Hadoop, PyTorch.

Coursework

- Operating Systems
- Computer Architecture
- Data Structures
- Discrete Math
- Introduction to Programming
- Matrices/Matrix Calculations
- Probability and Statistics
- Natural Language Processing
- Algorithms and Complexity
- Computer Vision
- Computer Networks
- Neural Networks
- Network Security
- Data Mining
- Big Data

Work Experience

Cvent – Software Engineer 1 August 2022 – Present
Austin, TX

- **Team**: MRFy's Law
- Work on front end and back end of meeting request forms service that affects **150K**+ customers daily. Some of the main technologies include **Spring Boot**, **Postgres**, **Postman**, **Mockito**, **Selenium**, and **Datadog**.

Cvent – Software Engineering Intern June 2021 – August 2021
Austin, TX

- **Team**: MRFy's Law
- **Project**: Created a few REST API endpoints, SQL queries, and a react app related to a new, upcoming meeting request form service that impacted **21K**+ users. Conducted unit and integration testing. Relevant technologies/frameworks included **Spring Boot**, **Postman**, **Mockito**, and **Karate**.

The University of Texas at Austin – Software Engineer Intern June 2020 – December 2020
Austin, TX

- **Team**: Department of Psychology
- **Project**: Part of a 10-person team of professors and students tasked to develop Protect Texas: UT's comprehensive technological tool to combat the spread of coronavirus in its community. Worked on COVID-19 tracking mobile phone app (called **Protect Texas Together**) for our school. Worked with React-Native and Django. Used Fastlane and Bitrise for devops/deploying of app where **10K**+ people downloaded it from Google and Apple Stores.

iHeartMedia – Software Developer Intern June 2019 – August 2019
Austin, TX

- **Team**: Digital Audio Management
- **Project**: Built a cloud based internal reporting system in Java's Spring framework with 3 other interns that was based on statistics related to **800K**+ artists. Implemented REST API endpoints and worked with AWS Simple Queue Service, Microservices, and a SQL database. Implemented a user friendly interface for the S3 bucket that holds the generated reports. Performed **50%** better than legacy system.

Projects

Library Volunteer Management Web App (https://github.com/viren-velacheri/Lib-Volunteer-Mgmt)

- Responsive (Smartphone enabled) app for users to signup, view, and delete schedules. Administrator control for volunteer check-in and automatic report generation. Designed for local libraries in Austin.
- Built using Bootstrap, jQuery, Node.js, and MongoDB. Hosted on Amazon cloud via Heroku Platform.

Austin Animal Shelter: Dog Adoption WebApp (https://github.com/viren-velacheri/KWAH)

- Responsive Web app with intelligent search and notification capabilities.
- Contains over **500** dogs.
- Built using Bootstrap, jQuery, Node.js, and MongoDB. Hosted on Amazon cloud via Heroku Platform.

Leadership Experience

MIT Zero Robotics Competition Fall 2016 – Winter 2018

- A contest where robotic SPHERES are programmed to perform tasks in zero gravity. Programs written in C.
- Led team in High school Junior and Senior years, reaching world finals, with code deployed on the International Space Station. Achieved **3rd** out of over **200** teams.