Suhas Dara

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EDUCATION

University of Texas at Austin, BS in Computer Science, 3.98/4.0 GPA 2017 - 2021

- Coursework: Data Mining, Neural Networks, Natural Language Processing, Autonomous Robots, Data Structures, Algorithms and Complexity, Object Oriented Programming, Operating Systems, Advanced Linear Algebra, Human Computation/Crowdsourcing, Compilers
- Activities: Association for Computing Machinery, Peter Stone Laboratory

EXPERIENCE

Microsoft, *Software Engineering Intern* May 2020 - Aug 2020

- Refined the downloading pipeline for the Azure Stack Hub devices and improved the customer experience.
- Worked with job systems in .NET Framework to implement intermediate downloading to local storage accounts.
- Gained familiarity with C#, .NET Framework, and Azure.

University of Texas, *Teaching Assistant* Aug 2018 - Dec 2018; Aug 2019 - Dec 2019

- Helped students understand data structures concepts using Java by conducting multiple office hours a week.
- Conducted discussion sections and quizzes, and graded assignments for a batch of 25 students.

Adobe, *Software Engineering Intern* May 2019 - Aug 2019

- Developed an approval workflow mechanism for AdCloud's Creative Management Platform's targeted advertising.
- Developed Springboot API endpoints in Java that will assist the approval workflow mechanism.
- Gained familiarity with Springboot, FasterXML, and MySQL.

Qualys Security TechServices, *Software Engineering Intern* Jun 2018 - Aug 2018

- Developed a MERN and WebSocket based application to load test cloud platform's Passive Scanner micro-service.
- Developed a MERN, WebSocket, and UDP based application to load test Network Access Control appliance.
- Gained familiarity with the MERN stack, concurrency, and network tools.

PROJECTS

Walk Alarm, *Designer and Developer* May 2019 - Present

- Creating an Android alarm application that utilizes step count to ensure a person walks to turn off an alarm.
- Technologies in use include Java and SQLite.

Corner Detection Algorithm, *Researcher* Sep 2018 - May 2019

- Created an operational door sign corner detection algorithm using convolutional neural networks that will be used for robot localization.
- Technologies used include Python, C++, PyTorch, and Darknet.

Object Localization on Map, *Researcher* Jan 2018 - May 2018

- Utilized Darknet to find common objects and localize the objects onto a map of the UTCS building.
- Technologies used include C++ and Darknet.

Analysis of logs of NAC security system, *Developer* Dec 2017

- Developed a Java program to analyse logs of a Qualys Network Access Control system that filters unique MAC/IP addresses and plots access timing data.
- Reduced analysis time from an hour to a few seconds.

CERTIFICATIONS

Advanced Linear Algebra: Foundations to Frontiers Nov 2020
Programming with Python for Data Science (Microsoft) Mar 2018

SKILLS

Software	Python, Java, C, C#, HTML, CSS, JavaScript, C++, MySQL, MongoDB
Technologies	PyTorch, ReactJS, AWS, Node.js, Android, .NET, Git, Shell, Linux