

# AASHISH SHARMA

aashish2057@outlook.com | 972-552-4185 | 1123 Pedernales Trl, Irving, TX 75063 | [linkedin.com/in/aashish2057/](https://www.linkedin.com/in/aashish2057/)

## SUMMARY

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Involved Computer Science Student with a variety of experience as a Software Engineer and a Project Manager. Intern at IBM where I gained experience in Load Testing, Robotics, Containers, Cloud, Edge Computing and Machine Learning Models. Lead teams of 4-5 as PM at the Association for Computing Machinery

## EXPERIENCE

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### Co-Op Intern, International Business Machines (IBM)

Jan 2020 - Present

- Lead effort to utilize Docker to containerize node-red flows on raspberry-pi, for shift to edge computing
- Rebuilding predictive R-Square Models through SPSS Modeler and IBM Watson Studio
- Lead testing effort on vision models that resulted in 90% efficiency improvement through the use of JMeter
- Received 17 Certifications from IBM including Data Science, Deep Learning, Node-Red, Agile, Docker, Kubernetes, IBM Watson Studio and React

### Project Manager, Association for Computing Machinery (ACM)

Dec 2019 - Present

- Managed Alakazam Project, a mobile app designed to recognize a movie/TV Show based on recorded audio and return title and other relevant information
- Managed team for Standup, a virtual comedy club where you choose to perform stand-up on-stage or to engage and control the show as the audience
- Implemented Agile methodology into teams through the use of technologies such as GitHub, Trello and Slack
- Lead Alakazam to 2nd place in Spring 2020

## PROJECTS

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### DormDash

- Food delivery service tailored specifically towards college students. A mobile application that enables students to order food from campus restaurants, delivered by another student. (Work-in-progress Startup)
- Place 2nd in Fall 2019 ACM Ignite Competition and won audience favorite application

### Pic3

- Social Media Android Application designed to assist users in helping discover their closest friend, implemented with Android Studio and Google Firebase

### College Grades

- Website that displayed the median grade for 250 classes at Cornell University, implemented with Google Drive API

## HONORS AND CERTIFICATIONS

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- ACM Ignite Spring 2020 - Placed 2nd for best application determined by a panel of professors and industry professionals
- Academic Excellence Scholarship Honors (AES) - The top 10% of UT Dallas Students receive this award
- IBM Cloud Kubernetes Service - VMs vs. containers, Kubernetes architectural model, key resources, and pods.
- Docker Essentials: A Developer Introduction - best practices for using DockerFiles and how to use IBM Cloud Kubernetes Service
- Deep Learning - Main concepts of Neural networks, how to implement shallow and deep networks with TensorFlow
- Applied Data Science with Python - Can analyze and visualize data with Python using packages like scikit-learn, matplotlib and bokeh
- IBM Blockchain Essentials V2 - Understanding of Blockchain and distributed ledger systems, key use cases of Blockchain and how assets can be transferred in a Blockchain network
- Node-Red: basics to bots - understands how to create simple to complex applications in Node-Red

## SKILLS

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**Languages:** C/C++, Java, Python, HTML, CSS, Javascript, React

**Technologies:** Git, UNIX, REST API, AWS, Azure, IBM Watson, JMeter, Docker, Kubernetes, Node-Red

**Tools:** Github, Trello, Slack, Microsoft Teams, Microsoft Office, Android Studio, IBM Bluemix

**Soft Skills:** Mentorship, Project Manager, Program Manager, Communication Skills, Public Speaking

## EDUCATION

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**Bachelor of Science, Computer Science**  
University of Texas at Dallas

Aug 2018 - Present

## COURSES

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- UT Dallas - Introduction to Machine Learning, Numerical Methods in Machine Learning and Data Science, Data Structures and Algorithms, Advanced Algorithm Design and Analysis, Software Engineering, Discrete Mathematics
- Online - Machine Learning - Python & R, Web Developer Bootcamp, Azure AI Engineer