

Muhammad Faisal Shahid

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EDUCATION

University of Central Florida Orlando, FL
Master of Science — Data Analytics (Big Data) May 2021

CGPA: 3.98

Lahore University of Management Sciences Lahore, Pakistan
Bachelor of Science (Hons.) — Computer Science May 2019

Relevant Coursework: Machine Learning, Parallel and Cloud Computation, Data Mining, Statistical Analysis, Artificial intelligence, Data Structures, Algorithms, Advance Programming, Software Engineering, Databases

WORK EXPERIENCE

Rheem Manufacturing Company Remote, FL
Data Engineer June 2021 - Present

- Developing and testing software interface for tests simulator and customer usage profiles, based on cloud and field data.
- Building a Kafka data pipeline, and developing FMA efficiency tools and algorithms for anomaly detection.

Amazon Web Services Remote, FL
Software Development Engineer Intern June 2020 - Aug 2020

- Introduced a new pipeline activity, allowing customers to change the format of the timestamps in their incoming JSON messages through channels from AWS IoT Core, and store them into data stores.
- Developed the back-end and added this functionality to the AWS IoT Analytics Console and AWS CLI.

Goodlogics Lahore, Pakistan
Software Engineer Intern May 2018 - Sep 2018

- Developed web pages in ReactJS for various client applications.
- Tested multiple websites using Selenium and provided programming support for fault detection.

SKILLS

Languages
C++, Java, Python, Go, JavaScript, SQL, Ruby, HTML, PHP, CSS

Tools and Frameworks
Node JS, React JS, Spring, TypeScript, PyTorch, Hadoop, Spark, Kafka, Docker, MongoDB, Unity, Xcode, Android Studio

ACADEMIC PROJECTS

Disaster Tweets - CAP 5610: Machine Learning Apr 2020 - May 2020
Tools: *Python, PyTorch, TensorFlow*

Using NLP built a classification model that distinguishes real from fake tweets. Developed a data pipeline using TensorFlow.

Airbnb Price Trend - STA 5206: Statistical Analysis Oct 2019 - Dec 2019
Tools: *Python, SAS, scikit-learn, Tableau*

Using isolation forest for anomaly detection and time series forecasting, predicted future costs of Airbnb rentals.

Linux Kernel Specialization - BSc (Hons.) Thesis Jan 2019 - May 2019
Tools: *LLVM*

Using LLVM, wrote module passes to analyze system calls and optimise the Linux kernel, making them smaller and secure.

BrainCare - CS 466: Human Computer Interaction Oct 2018 - Dec 2018
Tools: *C#, Unity, Xcode*

Developed an iOS application for detection and control of Dementia in patients by addressing problems like memory loss, etc.

Learning Management System - CS 360: Software Engineering Feb 2018 - Apr 2018
Tools: *HTML, NodeJs, Heroku*

Developed a web application for teachers and students to upload, download, and view their work. Deployed it on Heroku.