SUJAY LOKESH
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Skills: C++, Python, Go, Apache Spark, Scala, Hadoop, Ruby, SQL, HTML, CSS, JavaScript and Tensorflow**,** AWS Solutions Architect, AWS Developer, Google Cloud Platform Architecting and Development

WORK EXPERIENCE

MTCUS **Sept'19**
Project Lead

- Working on creating an accurate financial model using machine learning and other analytical tools
- Creating interactive models which guide the administration in making decisions to hire new employees based on current financial situation

Indian Space Research Organization (ISRO-ISTRAC) **Jan'19-May'19**
Student Research Intern

- Worked on "Wind profiler signal processing algorithm development". This models the wind speeds and directions at different altitudes
- Used technologies such as MATLAB, JAVA and Python

Anand PAG (SAP Implementation and Predictive Analysis) **Aug'18-Dec'18**
Intern

- Responsible for developing a predictive analysis model that helps predict disasters in large power plants, based on historical data
- Used In-Memory technology SAP HANA

EDUCATION

New York University **Dec'20**
Tandon School of Engineering, Master of Science in Computer Science
Awarded a partial academic scholarship

RV College Of Engineering, Bangalore, India **Jun'19**
Bachelors of Engineering in Computer Science

The Wharton School, University of Pennsylvania **Jun'17**
Summer Program in Finance and Macroeconomics

ACADEMIC PROJECTS

1. **Spatial Analysis of 311 data using Apache Spark and Hadoop** **Sept'19**
   - Find the average response time based on NYC Borough
   - Showed correlation between spatial coverage and economic indicators such as income per capita
   - Find the presense of demographic disparities
   - Identified any Biases based on complaints in less affluent neighborhoods

2. **Risk Analysis and Prediction of the Stock Market using Machine Learning and NLP** **May'18**
   - Published in IJAER in December 2018
   - Predict how good of a decision it is to buy a particular stock.
   - Used **Python, Android Studio, Firebase and Google Cloud**

3. **Healthcare System using Blockchain** **Mar'18**
   - Implemented a blockchain framework with details of patients' health records that can be mined, created and viewed only by controlled access.
   - Used **Python and Java**

4. **Object Classification based on Spatial Orientation using Ultrasonic sensors (FFNN)** **Oct'17**
   - Presented in ICCUBEA 2018, Pune in Aug'18;
   - **Won best paper of the session for excellence in researc**h at an IEEE sponsored conference

PUBLICATIONS

- Object Classification based on Spatial Orientation using Ultrasonic sensors- IEEE Explore (August 18)
- Risk Analysis and Prediction of the Stock Market using Machine Learning and NLP- IJEAR (Dec 18)

EXTRA-CURRICULAR INVOLVEMENT

- Semi Finalist in 3M Entrepreneurship Competition; Dec'18
- First place in IBM Ideathon (Blockchain in Healthcare), March'17
- Played Basketball as High School Captain and continued playing till Dec'17
- Participated in Debate competition at RV College; October'15
- Volunteered for Anchorage, a Bangalore-based NGO committed towards bridging the Digital divide by imparting IT knowledge to children from underprivileged homes; Dec'13 to Mar'17
- Volunteered in Rural Enrichment program in an impoverished village in India in march'08