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Education

Northeastern University — San Jose, USA
Master of Science in Computer Science, GPA: 4.0 — (Expected) May 2021
Courses: Data Structures and Algorithms, Programming Design Paradigm, Machine Learning, Building Scalable Distributed Systems

National Institute of Technology Calicut — Calicut, India
BTech in Electronics and Communication Engineering — June 2013 - May 2017

Skills

Programming: Python, Java, Javascript, Go, bash, C++, Scala, PostgreSQL, DynamoDB, Mongo.
Tools and Frameworks: GIT, Docker, Flask, Scikit-learn, Pandas, Kubernetes, Openstack, Apache Kafka, Apache Spark, Hadoop, REST, Spring MVC
Operating Systems: macOS, Linux

Experience

Amazon Web Services, California — June 2020-August 2020
SDE Intern

- Designed and developed a scalable and extensible Network visualization tool to provide a one stop shop view of the health of AWS data centers.
- Worked on aggregating topology and traffic distribution information from large number of devices in a data center.
- Reduced time spent in debugging operational issues of network devices and links.

Target Corporation, Bengaluru — July 2017-August 2019
Engineer

- Collaborated with Data Science engineers to research, design and build a big data platform using Spark and Hadoop to visualize real-time and forecast insights of business and technology metrics.
- Designed and developed Machine Learning models using H20 and Spark to predict order volume, order revenue and page views for target.com.
- Configured and set up Grafana and Kibana pipelines for visualization of the ingested Data and predictions.
- Awarded **Monthly Award of Excellence** for outstanding contributions for the good of Target's guests and Team and making one global Team a reality.
- Created a tool using Python and JavaScript that drives enterprise level stability trends and actionable insights across Target Technology Services to enable accountability and accelerate action.
- Engineered the unsupervised NLP analytical engine to gather the Incident descriptions and perform text mining and clustering using Affinity Propagation based on the time filters that users can select.
- Integrated the python analytical engine with drone, docker and Kubernetes which automated the deployment process.
- Awarded **Infrastructure and Operations Geek of the Month** for playing a pivotal role in ramping up the MVP for the stability insights initiative. Increased Operational Efficiency by building a full stack application using Go, NodeJS and ReactJS to isolate critical store issues and direct users to the right technology users.
- Implemented self-sorting to bring attention to the locations in the most pain.

Projects

- **Emotion Sensing Using Facial Recognition**: The project implemented the task of facial recognition and was able to extract the important features of the face. Using Machine learning, the emotion associated with the face of each image was predicted. Presented at the 2017 International Conference on Smart Technologies for Smart Nation (SmartTechCon). [Publisher: **IEEE**]
- **Alfred**: Built a financial butler that analyses all your financial transactions, income and liabilities to make a profile on your spending pattern. Using Machine Learning, it is able to tell you the impact to your financial health for making certain unusually large purchases. (**Top 10 Finalist-Disrupt San Francisco 2019 Hackathon, TechCrunch**)