Sreerag Mandakathil Sreenath

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DevOp Engineer ● Web and Cloud Developer ● IoT ● Data Analysts

EDUCATION

Northeastern University | Boston, MA

*Master of Science in **Information Systems***   ***Expected May 2019***

- Relevant Courses: Database Management Systems, Advanced Data Science, Big Data & Intelligence system

National Institute of Technology Warangal| Telangana, India

*Bachelor of Technology in **Electronics and Communication Engineering***   ***May 2017***

- Relevant Courses: Digital System Design, Computer Networks, Digital Signal Processing, Data Structures

- Toastmaster International: President of Speech Maniacs Gavel Club, Kuwait (2011-12)

SKILL

Programming Languages:	C++, HTML, Python, R, Java, Ruby, JQuery, Javascript
Server side:	PHP, Nodejs, Hive , Apache Spark, Hadoop, Ruby on Rails
Frame Works:	Code Ignitor, Django, Firebase, Express JS, Angular JS
Database:	MySQL, NoSQL, Oracle 11g, Microsoft SQL Server, Firebase
Web hosting and computation:	AWS, Bluehost, Digital Ocean, C Panel
Python Libraries:	NLTK, Scrapy, plotly, Tensor flow, Keras, Matplotlib, Pandas, bokeh
Tools:	GIT, Salesforce, Docker, Tableau, Google Analytics, Selenium

PROFESSIONAL EXPERIENCE   https://github.com/sreeragsreenath/

Research Assistant*, IOT Open Innovation Labs, Northeastern University | Boston, MA**   ***Sept. 2017 – Present

- Develop a web platform and deployed it on Amazon EC2 instance using round robin sever server task scheduling with data kept at S3 buckets.
- Remove page load time redundancies by image and code optimization
- Working on AWS, Python, Node-JS and firebase system to make the site realtime, robust and reliable with the required data analytics (iotopeninnovation.org)

Web Master*, World History Association, Northeastern University | Boston, MA**   ***Sept. 2017 – Jan. 2018

- Improved Site page speed score from 22% to 93% (GTMetrix), Integrated Google analytics to improve pages and visitor count
- Migrated to a new server (Digital Ocean) to improve security (Encryption and SSL Certification) and efficiency of the system (thewha.org)

President*, Web and Software Development Cell at NITW| Telangana, India**   ***Aug. 2014 – April 2017

- Engineered Hostel allotment, Student semester Registration and Institute website Systems(www.nitw.ac.in)
- Programmed on PHP, Django, Python, Angular, Docker, NodeJS and deployed with help of Octopus
- Led Government Projects with Telangana Police to implement its internal Information Management System (wsdc.nitw.ac.in)

ACADEMIC PROJECTS

Machine Learning With Energy Dataset | Advanced Data Science | Boston, MA   ***March 2018***

- Conducted EDA and feature analysis using Python libraries (plotly, seaborn, matplotlib)
- Implemented Linear Random Forest, Neural Networks, Tensorflow to build prediction model in python.
- Tested various features and how they influence the output. Explored tpot, featuretools, Boruta, tsfresh (https://goo.gl/hBvq3g - Github Link)
- Pipelined it and deployed on EC2 instance t2.micro, with data saved in S3 buckets.

Medical record analysis system | B.Tech. Final Project | Telangana, India   ***Jan. 2017 - Feb. 2017***

- Project to read MRI images data and to detect brain tumor using Convolutional Neural Networks
- Computed the model using Amazon Ec2 instance – C5 2Xlarge instance, took 40 mins to process
- Developed Web application interface and database to interact with patient data(https://goo.gl/Q1MYHo)

Almabase alumni web scraping application | Lakshya Hackathon | Telangana, India   ***Feb. 2016***

- Designed a python web scrapper application for the company Almabase(https://goo.gl/fhfmx3)
- Performed Text and Sentiment Analysis on the web scraped news articles to find relevance

ACHIEVEMENTS

Microsoft Code.Fun.do (2015)   Mozilla Hackathon (2014)