DEVI SANDEEP ENDLURI

401 Anderson St, Unit #4K, College Station, TX 77840
(979) 739-3429 | dsandeep97@tamu.edu | https://www.linkedin.com/in/dsandeep97

Objective: Seeking internship for Summer 2020 in Data Science, Software Engineering, Software Development roles.

EDUCATION

Texas A&M University, College Station, Texas — Aug 2019 – (exp.) May 2021
Master of Science in Computer Science — **GPA**: 3.67 / 4
Coursework: Deep Learning, Natural Language Processing, Analysis of Algorithms, Info Storage and Retrieval
Research Experience: Research work under Prof. Xia Ben Hu on Automated Information Retrieval project

Indian Institute of Technology Kharagpur, Kharagpur, West Bengal, India — Aug 2010 – May 2014
Bachelor of Technology in Computer Science and Engineering — **GPA: 8.27 / 10**
Coursework: Algorithms and Data Structures, Natural Language Processing, Artificial Intelligence, Information Retrieval

TECHNICAL SKILLS

Programming Languages: (proficient) Python, R, C, C++, MATLAB, SQL; (familiar) Java, Perl, Ajax, PHP
Frameworks/Platforms: Python (NumPy, Pandas, Scikit-learn, TensorFlow, Keras), Git, RStudio, Latex, Jupyter
Certifications: Machine Learning, Deep Learning (Stanford University); R programming (Johns Hopkins University)

WORK EXPERIENCE

Qualcomm India Private Limited, Hyderabad, India
Senior Software Engineer — July 2014 – July 2019

- Facilitated design, development and maintenance of proprietary software to manage data connectivity of mobile devices in a smart and efficient way in terms of user experience
- Engaged in development and debug of AOSP (Android Open Source Project) in Android Connectivity domain
- Spearheaded various IMS critical value-add features (G2L Tuneaway, Dual VoLTE) for Qualcomm chipsets; strong involvement in Qualcomm MSM/MDM Chipset bring-up, debug, integration and commercialization
- Awarded 5+ Qualstars, Orion Insta award in appreciation of outstanding contributions to Android Connectivity domain

Software Engineering Intern — May 2013 – July 2013

- Developed a command-line automation tool with Perl GUI Toolkit to validate presence of all critical non-volatile items in Android Phone memory; Designed a consolidated platform to manage customer requests and software releases

PROJECTS & COMPETITIONS

Real-time Twitter Data Analysis using Spark — April 2020

- Performed Real-time data analytics on COVID-19 over a Twitter Stream using Big Data Technologies of Hadoop Ecosystem such as Flume, Kafka and Spark Streaming. Built a Flask Web Application to display results and dashboards

Regression models to predict flight delays
Finalist, TAMIDS 2020 Data Science Competition — April 2020

- Built Linear, Lasso, Ridge and Bagged regression models to predict flight delays for 3rd and 4th Quarters of 2019 and built a visualization dashboard using leaflet in R to visualize 2018 flight delay data. Achieved test RMSE of 9.952

Deep Learning based Image Colorization with U-Net — Oct – Dec 2019

- Developed convolutional neural network regression and classification approaches to convert grayscale images to colorized RGB images with architecture inspired by U-Net, a convolutional method for image segmentation

Abstractive Text Summarization using pre-trained encoders — Oct – Dec 2019

- Modified existing text summarization model with pre-trained BERTSUM encoder model and decoder architecture by introducing recurrence in model to improve better copying of source text, achieved a ROGUE score of 19.03

Data Visualization model to analyze Tacos and Burritos data
Goldman Sachs Challenge, TAMU Datathon — 2019

- Built an interactive data visualization tool using Tableau to represent Taco and Burrito data

Profiler for cricketing style and performance — Oct – Nov 2013

- Designed and developed a python application to rank cricket players based on a specified cricketing style (e.g. Yorker, short of a length, etc.) using a Naive Bayes classifier. The achieved accuracy of classifier was 98.76%

PUBLICATIONS

K. Datta, B. Ghuku, **D. Sandeep**, I. Sengupta and H. Rahaman, "A Cycle Based Reversible Logic Synthesis Approach," 2013 Third International Conference on Advances in Computing and Communications, Cochin, 2013, pp. 316-319