Rohit Gangurde

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Education

Boise State University Boise, ID

Bachelor of Science in Computer Science, G.P.A - 3.65 *Aug. 2017 – May 2021*

Experience

Engineering Data Analytics Intern May 2020 – December 2020

Micron Technology *Boise, ID*

- Creating a statistics tool to provide engineers with meaningful insights into the wafer data using Python.
- Working with various volumes of data from multiple sources (frontend wafer test data and backend packaged test data) and performing data analysis to identify solutions for engineering problems.
- Developing a PERL tool to enable test/product development engineers to group die level data and figure out how the bins are yielding in the back-end test flows.

Data Science Intern January 2020 – May 2020

Kloudspot *Boise, ID*

- Set up pipelines to process user data to readable format.
- Performed cleaning and data manipulation to get rid of the outliers.
- Built and tested models (K-Means, DB-Scan, A = CR [Row space clustering], Random Forest) to find correlations between participants in an event.
- Performed dimensionality reduction (PCA reduction) to reduce the size of data while keeping the essential features.

Data Analytics Intern May 2019 – December 2019

Idaho Transportation Department *Boise, ID*

- Created custom applications for automation and reporting purposes in Python.
- Followed agile life cycle to develop applications.
- Developed an innovative solution which freed up 5 employees a month of labor intensive work
- Analysed traffic data to find hotspots and anomalies.

Projects/Research

Trade Direction Classification | *research with Dr. Egginton* September 2019 – January 2020

- Classifying Trades as a buy or a sell.
- Extracting data from different stock markets and wrangling it
- Filtering out features and applying ML models to the dataset. Currently using Random Forest Classifier at an accuracy of 75% - 86% based on different stock markets.

Ada County Housing Analysis | *project with a colleague* August 2019 – November 2019

- Scraping the Ada County website for housing data.
- Performing data cleaning and manipulation to parse the data into desired format.
- Applying dimensionality reduction techniques and performing feature selection.
- Trained a Random Forest model but came up with bad accuracy scores.

ConLL Shared Task 2019 | *research with Dr. Kennington* May 2019 – December 2019

- The goal of the task is to advance data-driven parsing into graph-structured representations of sentence meaning.
- Creating a pipeline to parse the model's output to a compatible form for evaluation.
- Model has a f1 score of 0.72. Tuned hyperparameters to get better results.

Technical Skills

Languages: Python, SQL, PERL, R, Java, C,HTML/CSS
Frameworks: Flask, Tensorflow, PyTorch, JUnit
Developer Tools: Git, VS Code, Docker, Visual Studio, PyCharm, IntelliJ, Eclipse
Libraries: pandas, NumPy, Matplotlib, Seaborn