ANIKET K. SINGH

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EDUCATION

Youngstown State University

B.S in Computer Science

August 2017 – Present Youngstown, OH

Minor in Mathematics
GPA = 3.63
Anticipated May 2021

SKILLS

Programming & Data Analytics Skills:

Python, Java, C++, MATLAB, LaTeX, R, SAS, Power BI, SQL, TypeScript, C#, JavaScript, Tableau

Frameworks:

Pandas, Numpy, Scikit-learn, Matplotlib, Keras, XGBoost, CatBoost, Random Forest, LightGBM, SHAP

Machine Learning:

Clustering and Classification, Feature Importance Analysis, Linear/Logistic Regression, Graph Theory, Predictive Modeling

Other Concepts:

Git, Unit Test, Jupyter, Angular, Django

COURSEWORK

Probability and Statistics, Data Analytics w/ SAS, Bayesian Statistics, Data Visualization, Predictive Modeling, Discrete Structures, Data Structures and Algorithms, Automata Theory, Operating Systems, Linear Algebra, AI in Game Design, Software Engineering

EXPERIENCES

Resident Assistant

Residence Life, Youngstown State University

Aug 2018 – Present Youngstown, OH

Student Software Assistant

ITS, Youngstown State University

Sept 2017 – Aug 2018 Youngstown, OH

HONORS & AWARDS

- Hirsch-Satrum Scholarship: Award Presented to an outstanding campus leader.
- Bernadine Marinelli Memorial Scholarship: Award presented to an outstanding student supervisor in the division of student experience
- Academic Excellence Scholarship
- International Scholar Award
- International Student Scholarship

PROJECTS

Ext _2 Operating System Project

- Developed a system software that copies a Virtual Disk Image (VDI) file, in an ext2 filesystem, to a host system.
- Accessed the root directory of the passed VDI filesystem to list all files in the filesystem in UNIX's "ls" format.
- Successfully completed read/write operation without corrupting the disk image.

Weather Pattern Recognition and Energy Consumption Optimization

- Cleaned and normalized weather data using Pandas package in Python.
- Performed unsupervised learning techniques (K-Means and DBSCAN) to group the data into different weather events.
- Detected weather anomalies by training regression models using sliding window and forward chaining on the time series data.
- Visualized inter-dependencies of the weather features in the data set using Matplotlib on Python.
- Used Numpy to analyze the hourly energy consumption in a company in different weathers and provided data and strategies to reduce the consumption by 20

Loan Approver Systemusing Logistic Regression

- Cleaned an unstructured training data with 20,000 records and 141 variables using Pandas on Python and SAS studio.
- Reduced the number of indicators of customer's trustworthiness from 141 to 11 by conducting significance test on SAS studio.
- Implemented cluster imputation, Greenacre's method, variable clustering, and variable screening to finalize the training data.
- Built and trained a logistic regression model that checks whether a customer qualifies for a loan in under 2 minutes.
- Achieved the model accuracy of 84

Penguin Health Web Application

- Collecting survey data from students about their daily interactions and analyzing the data on Python for risk assessment.
- Building data visualization dashboards of COVID-19 cases on campus. Built a web app to publish the results of analysis and the dashboards.

LEADERSHIP

- International Student Organization, **President**
- Summer in America, **Activity Leader**
- iPals, **VP of Membership Recruitment**