Peeyush Varma Kalidindi

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EDUCATION

University of Connecticut, Stamford — Stamford, CT
Masters in Business Analytics and Project Management (MSBAPM) — May 2023
GPA: 3.98/4.0
Relevant Coursework: SQL, Statistics using R, Predictive Modeling, Data Science with Python

GITAM University — Visakhapatnam, AP
Bachelors of Technology in Computer Science — May 2020
GPA: 7.69/10.0
Relevant Coursework: DS & Algo, Python, SQL, Machine Learning, AI, Probability & Discrete Mathematics

SKILLS

Programming Languages: Python, R, Java, C, C++, JavaScript, HTML, CSS
Big Data & Machine Learning: SQL, Data Mining, Python (e.g., scikit-learn, numpy, pandas, matplotlib, seaborn)
Software and Analytical Tools: JMP, A/B testing, ETL, tableau (2022), Data science pipeline (cleansing, wrangling, visualization, modeling, interpretation), Statistics, Hypothesis testing, Forecast Modeling, Excel, Git

PROFESSIONAL EXPERIENCE

Software Engineer Intern — October 2020 - December 2020
Kenexoft Technologies — Remote

- Utilized Python to perform data analysis and validate predictive models on large (487K rows) and complex data sets to answer key business problems
- Worked in a cross-functional team to extract information from job applications using beautiful soup and stored it in a database, which reduced the total process time by 40% for the HR team
- Preprocessed, and visualized the data using python (numpy, pandas, seaborn & scikit-learn), used K means clustering (unsupervised machine learning technique) to group the job application into two categories
- Presented the data-driven insights and recommendations to senior leadership which were later implemented in their 5-stage hiring process

Data Science Intern — May 2019 - June 2019
Fountane Labs — Hyderabad, TS

- Analyzed data from 1M users using python and used supervised machine learning techniques for eye disease detection, which reduced detection time by 30%
- Wrangled this data stored in an excel file using python to clean, visualize and model the data to predict eye diseases, the model was 87.6% accurate when tested on new data
- Built a chatbot containing patients' information, this chatbot has been integrated into the client's website, which made retrieving patients' information 4 times faster for the client

PROJECTS

Claim Fraud Detection — November 2021
2021 Travelers Modeling Competition

- Analyzed insurance data to predict fraudulent claims with an F1 score of 0.39 – 15% higher than the benchmark
- Created a predictive model using python based on historical claim data for detecting fraud on 30K rows of unstructured data
- Implemented under sampling using imblearn to fix the imbalanced data and improve the accuracy of prediction of the fraud
- Performed parameter tuning on the xgboost algorithm using GridSearchCV, which improved the F1 score of the model by 30%

Credit Card Default — December 2021
Fall 2021 Predictive Modeling Final Project

- Performed data analysis to customers personal and payments data to predict the estimated probability of default using JMP
- Reduced the complexity of the model by 56% creating two new variables using 13 existing variables (bill and payment history)
- Decided on the final model as decision tree as it gave the best predictive accuracy of default of 69%