Jessica Small

Cell phone: 856-266-2423 **Email:** jsmallz1357@gmail.com **Address:** 416 Delaware Ave, Palmyra, NJ,08065

SUMMARY

Experienced Machine Learning Engineer with 9 years in diverse roles, specializing in machine learning, statistical modeling, and algorithm development. Proven communication skills and a track record in project management. Seeking opportunities to contribute to innovative solutions through data-driven decision making.

Skills: Python • MATLAB • SQL • MySQL • R •SAP • C++ • Java • Scratch • Advanced Microsoft Suites

Projects

Stock Analysis

•Conducted in-depth stock market analysis using time series data for technology stocks (Apple, Amazon, Google, Microsoft) with a focus on key aspects such as price changes, average daily returns, moving averages, inter-stock correlations, and investment risk estimation.

•Utilized Python libraries (yfinance, Pandas, Seaborn, Matplotlib) to retrieve and visualize stock data, performed descriptive statistics, and created visualizations for closing prices and trading volumes.

•Developed a Long Short Term Memory (LSTM) model for predicting future stock prices, specifically demonstrated by forecasting the closing price of Apple Inc., showcasing proficiency in data analysis and predictive modeling.

Predicting NYC Two-Vehicle Crash Fatalities

•Led a collaborative team effort applying KNN and Random Forest Classifier to forecast fatalities in vehicle crashes.

•Demonstrated proficiency in data science, artificial intelligence and machine learning by engineering features, fine-tuning models, and employing cross-validation for precision, recall, and F1-score evaluation on large data sets.

•Applied computer science and analytic techniques to preprocess data, engineer features, train models, and evaluate performance, identifying vulnerabilities and patterns for accident prediction and presenting the statistics in a presentation.

Work Experience

Wawa **Palmyra, NJ**

Night Supervisor/Customer Service Associate **Jul 2014 – Current**

• Informed the CEO that Wawa is potentially losing 30 million in sales due to the hashbrown tray design.

• Elevate sales performance up to 200% increase in revenue through strategic product placement and trend analysis.

• Achieved an 80% reduction in task duration, optimizing workflow and productivity.

• Implement cost-effective measures in product placement that garner positive customer feedback and contribute to up to 10% expense reduction.

Jacobs Engineering Group **Conshohocken, PA**

Process Engineer Summer Intern **Jun 2020 - 2021**

• Implement process improvements that cut task completion time by 80%, enhancing operational efficiency and conserving labor resources.

• Crafted Process & Instrumentation Diagrams (P&IDs), demonstrating a proficient understanding of technical design.

• Collaborated effectively with diverse teams, fostering cross-functional communication and cooperation.

Wawa **Swedesboro, NJ**

Supply Chain Data Analyst Intern **Mar 2018 – June 2019**

• Analyzed and synthesized data to support strategic decision-making across marketing campaigns, forecasting, and budgeting, utilizing advanced Excel.

• Conduct audits to monitor picking accuracy, identifying trends and addressing significant issues. Successfully resolved a 50-75% picking accuracy for BTO salad items, elevating accuracy to 99.99% through vendor collaboration.

•Established a driver performance tracking spreadsheet, revealing that only 5% of drivers were reported last quarter, with 2% showing repeat offenses, highlighting concerns regarding drivers with multiple infractions.

• Investigate incidents and threats, mediate vendor complaints, and enforce compliance with laws and regulations.

Education

University: New Jersey Institute of Technology Fall 2020 – Spring 2024

Major: Chemical Engineering **Minors**: Computer Science, Applied Mathematics

University: Rowan College at Burlington County Fall 2014 – Spring 2020

Triple Major: Chemical Engineering, Engineering, Criminal Justice