SIVARAM KRISHNA DOPPALAPUDI

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EDUCATION

Binghamton University, State University of New York
Master of Science Computer Science Expected Dec 2022
Cumulative GPA: 3.70/4.00
Relevant Coursework: Data Mining, Machine Learning, Operating Systems, Design Patterns, Algorithms, Computer Networks
Awards: Rewarded 20% scholarship for excellence in academics.

Amity University, India
Bachelor of Technology Computer Science Engineering July 2016 – Aug 2020
Electives: Mathematics**,** Statistics, Database Systems, Object Oriented Programming, Python Programming, Cryptography.
Cumulative GPA: 3.50/4.00
Awards: Rewarded 50% scholarship for Academic Excellence.

TECHNICAL SKILLS

Programming Languages: Python, Java, R, SQL, HTML, CSS, JavaScript, Angular
Software: Windows, Linux, Tableau, Arduino, Power BI, MS Office, Pandas, NumPy, TensorFlow, PyTorch, Scikit-Learn.
DevOps and Cloud Services: AWS, Azure, Jenkins, Ansible, Docker

PROFESSIONAL EXPERIENCE

UPGRAD Education Private Ltd., Admission Counsellor | Remote, India Aug 2020 – Oct 2020
- Extracted new leads using SQL to identify unmatched records
- Analyzed sales data to identify trends and tracked sales in different segments by creating a dashboard.
- Responsible for managing and convert leads for versatile upGrad Programs.
- Assisted in building coursework, curriculum, and subject material for undergraduate courses
- Handling Objections and prize negotiation to generate sales revenue.

Penver Products Limited, Data Analyst Intern | India May 2019 – Aug 2019
- Forecasted product demand based on historical data using time series analysis.
- Analyzed trends for different products and created a dashboard in Power BI by adding KPIs to track sales and revenue data
- Conducted market analysis to identify potential markets to increase sales and revenue.

LEADERSHIP EXPERIENCE

Graduate Student Org. Computer Science, Vice President | SUNY Binghamton, NY Dec 2021 – present
- Designed and maintained GSOCS web page, while constantly making it more appealing to graduate students.
- Organized and managed technical events for CS grad students.
- Resolved conflicts, organized meetings while maintain the bylaws of the university.

PROJECT EXPERIENCE

Times Series Data Trend Prediction | Python, NumPy, Supervised learning, Unstructured Data, ARIMA Model
- Implemented a method of analysis for estimating the sale quantity of e-commerce application.
- Executed ARIMA times series model using extensive dataset and achieved a **95% accuracy** without any overfitting.
- Utilized Minitab for predictive analysis to provide recommendations for sales improvement.

Credit Card Approval Prediction | Java, Scikit-Learn, NumPy, Supervised Learning
- Compared several algorithms to identify and predict if an applicant is ‘good’ or ‘bad’ client
- Identified statistically important factors using multiple regression and Boruta importance
- Analyzed results of several algorithms such as Artificial Neural Networks, SVM, Random Forest, to select one that gives maximum accuracy. All of them predicted with an accuracy **above 90%.** SVM being best model with **accuracy of 97%.**

Smart Bottle for Ubiquitous Healthcare Support for Palestra | C, Arduino IDE, X86-64 Intel
- Designed and implemented an Arduino based Smart Bottle automation System consisting of fingerprint sensor for accessing the bottle, intruder alarm system, temperature sensor, pulse rate sensor to monitor the heart rate of the user.
- User can access the bottle only if pulse rate is under 160bpm and using fingerprint sensor, only the authorized person is given access to open the bottle and alert message is sent to user if any intruder tries to access the bottle.
- Coded the entire project using C programming and implemented in Arduino IDE.

CERTIFICATIONS

- AZ-900 Microsoft Azure Fundamentals July 2020
- HTML, CSS, JavaScript for web developers - Complete Web Developer Bootcamp -- Coursera June 2020
- Excel Skills for Business: Essentials -- Coursera August 2020