Suparna Shetty

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EDUCATION

Carnegie Mellon University | [August 2021 – December 2022]
Master of Information Systems Management- Business Intelligence and Data Analytics
o **Coursework:** Machine learning for problem solving, Unstructured data analytics, Database management systems, Data focused python, Statistics, Data Science for product managers, Applied Econometrics, Advanced Business Analytics
o **Graduate Teaching Assistant:** Analyzing data using SQL and Tableau, Data Science Seminar (Research)
o **Research Assistant:** Resume Data Analytics research project in the Labor and Urban Research domain

Mumbai University, Fr. Conceicao Rodrigues College of engineering | [July 2015 – May 2019]
o **Degree:** Bachelor of Engineering in Information technology
o **Clubs and Councils:** Cultural Secretary of student government body, Computer Society of India, National Service scheme

EXPERIENCE

Strategy and Transactions Analytics Intern | Ernst & Young | [June 2022 – August 2022]
o Predictive analysis using Python, PowerBI, Alteryx and SQL to advise clients on financial decision making process
Data Science Student Consultant | Numo LLC | [January 2022 – April 2022]
o Created an AI conversational chatbot for a fintech incubator firm Numo to assist small business lending processes
o Got valuable insights from large amounts of customer data to perform predictive modelling
o Designed an effective go-to-market strategy, sales strategy, and a high-level system architecture for the client
o Reduced customer loan search time by 10x and increased lead generation through conversation design and Machine Learning
Business Analyst | ZS Associates | [June 2019 – July 2021]
o Led a team of analysts to devise targeting strategies for top pharmaceutical companies in USA to maximize profitability.
o Derived powerful business insights from unstructured data sets and visualize them through dashboards.
o Automated operational processes using R and SQL thus reducing effort by over 70%
Software Development Intern | National Stock exchange | [June 2018 – August 2018]
o Developed a knowledge repository web application to enable collaborative editing using PHP, SQL, MediaWiki, HTML & CSS

PROJECTS

Verizon Business Capstone Project: *Python, SpaCy, Pandas, Numpy, Scikit-learn, Machine Learning*
o Calculate risk and confidence score for Indicators of Compromise and classify it as malicious, suspicious, or benign.
o Apply cyber-threat handling techniques using various machine learning models
o Discovering patterns in data and making predictions to improve quality of decisions.
WINNER - Wells Fargo Campus Analytics Hackathon: *Python, NLTK, SpaCy, Pandas, Numpy, Scikit-learn*
o Classified transaction categories from financial data using data augmentation, text embedding and predictive modeling
o Used SMOTE and tested out under/oversampled results to handle imbalanced data. Link: http://bit.ly/xgboostNLP
County Health Ranking Data Analytics: *Python, Pandas, Numpy, Scikit-learn*
o Performed Exploratory Data Analysis on county health ranking data to provide public health recommendations
o Implemented clustering to group similar behavior and supervised techniques to predict outcomes and recommendations
Twitter Sentiment Analysis:
o Analyzed self-driving car tweets using natural language processing and sentiment analysis to analyze the user responses and come up with pros and cons of the product
Healthcare Data Analytics:
o Collaborated with an NGO as a pro bono initiative to perform complex healthcare analytics using R, Tableau and Excel to predict potential problem areas to focus on
Employee Recruitment System:
o Automated an employee recruitment prototype for Atidan technologies to improve their existing manual recruitment system using sentiment analysis, text analysis, machine learning and natural language processing
Android Attendance System:
o Android application using SQLite to resolve manual attendance inconsistencies for AlRams company

ACHIEVEMENTS

o Department rank holder for 3 consecutive years during engineering
o Led one of the top 50 teams shortlisted among 1000+ teams in the ZS case study competition
o Received award of excellence for securing distinction in the engineering mathematics university examination
o Published a research paper on our final year project in a University Grants Commission approved journal
o Won a machine learning hackathon organized by Wells Fargo

TECHNICAL SKILLS

o Programming Languages: R programming, Python, C, JAVA, PHP, Structured Query Language (SQL), Javascript
o Tools: Tableau, PowerBI, Amazon Web Services(AWS)
o Framework: Pandas, SpaCy, NLTK, NumPy, PyTorch, Scikit-learn , Matplotlib, Bootstrap, Hadoop, Flask