Suparna Shetty

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EDUCATION

Carnegie Mellon University | [August 2021 – December 2022]
Master of Information Systems Management- Business Intelligence and Data Analytics
- **Related 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
- **Teaching Assistant:**
  - Analyzing data using SQL and Tableau for 60 students under Prof. Karyn Moore– Heinz College of Information Systems
  - Data Science Seminar (Research) for 90 students under Prof. Eric Nyberg – School of Computer Science
- **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]
- **Degree:** Bachelor of Engineering in Information technology
- **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]
- 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]
- Created an AI conversational chatbot for a fintech incubator firm Numo to assist small business lending processes
- Got valuable insights from large amounts of customer data to perform predictive modelling
- Designed an effective go-to-market strategy, sales strategy, and a high-level system architecture for the client

Business Analyst | ZS Associates | [June 2019 – July 2021]
- Led a team of analysts to devise targeting strategies for top pharmaceutical companies in USA to maximize profitability.
- Derived powerful business insights from unstructured data sets and visualize them through dashboards.
- Automated operational processes using R and SQL thus reducing effort by over 70%

Summer Intern | National Stock exchange | [June 2018 – August 2018]
- Developed a knowledge repository web application to enable collaborative editing using PHP, SQL, MediaWiki, HTML & CSS

PROJECTS

WINNER - Wells Fargo Campus Analytics Hackathon: *Python- NLTK, SpaCy, Pandas, Numpy, Scikit-learn*
- Classified transaction categories from financial data using data augmentation, text embedding and predictive modeling
- 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*
- Performed Exploratory Data Analysis on county health ranking data to provide public health recommendations
- Implemented clustering to group similar behavior and supervised techniques to predict outcomes and recommendations

Twitter Sentiment Analysis:
- 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:
- 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:
- 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:
- Android application using SQLite to resolve manual attendance inconsistencies for AlRams company

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

TECHNICAL SKILLS
- Programming Languages: R programming, Python, C, JAVA, PHP, Structured Query Language (SQL), Javascript
- BI Tools: Tableau, PowerBI
- Framework: Amazon Web Services(AWS), Bootstrap, Hadoop, Flask