HARINI SARIPELLA

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Evidently encapsulating 7+ years of notable exposure in demonstrating innovative and creative approaches for performing predictive modeling and data mining. Excited to implement statistical data driven and machine learning solutions. Also implemented demand forecasting, models improving forecast accuracy. Also, enterprising Data Science and Analytics Accelerator, proficient in functioning with large volumes of quantitative data, researching and developing natural language and deep learning models as well as Maintaining and improving the performance of model pipeline

EXPERIENCE

AUG '21 - PRESENT

TEACHING ASSISTANCE, UNIVERSITY OF CENTRAL MISSOURI.   LEE SUMMIT, MO

Working as Teaching Assistance for CIS Department at University of Central Missouri for the subjects Web Applications (Python, HTML, CSS, and FLASK) and Business Information Management

OCT '17 -APR '21

DATA SCIENTIST, FACRONE TECHNOLOGIES, PAY ROLL: MERLIN SOFTECH & TELECOM PVT.LTD,

HYDERABAD, INDIA

Data Modelling & Excellence
- Replace traditional collection, descriptive and predictive analysis to define IoT data and offer effective analytics solutions.
- Employ interactive Jupiter notebooks by using pandas, NumPy, and matplotlib for gathering millions of data records and performing data exploratory and analysis.
- Perform web scraping by using python to compile pricing data for competitive analysis.
- Technology Automation and Processing
- Minimize security risk by developing anomaly detection and recommendation system models, K-means Clustering, Collaborative filtering, Embedding dot bias algorithms.
- Responsible for researching, prototyping, building features and optimizing the state of machine & deep learning techniques including SVM, Logistic Regression, Random Forest Regression, CNN etc. by using SCIKIT learn,
- KERAS, Tenser Flow on CPU / GPU environments for text- classification.
- Utilize NLTK and SPACY for developing, testing, and maintaining internal text processing library.
- Revenue Generation & Business Profitability
- Predicted stock price with 98% accuracy to enable the company to make informed investments.
- Achieve revenue targets by determining optimal pricing strategy to facilitate funds management as well as developing an algorithm to understand customer behavior succeeding in targeted market campaigns.
- Monitor model development, testing and validation of financial product and services.
- Optimize business decisions, establish model automation infrastructure to reduce deployment cost by developing data science models as products.

APR '13 -MAY '16

DATA ANALYST, TEKPHOENIX, PAY ROLL: AYANSYS SOLUTIONS PVT.LTD,   HYDERABAD, INDIA

Data Performance & Application
- Wrote R script for data cleaning, missing values handling, model identification, and to highlight Contract Returned Type & major contributors.
- Extracted sample data based on multiple audit criteria for quality control team and imported data in R and SAS in different formats such as Excel, CSV, and database file.
- Applied programming concepts like SAS gui layouts; created data sets & variables and investigated SAS datasets using basic procs.
- Formulated variable attributes for modification of data; wrote macros and applied clustering concepts.
- Worked on SAS Procedures like proc contents, proc transpose, proc append proc sort, proc import, proc export etc.
- Increased performance by developing user defined formats by using Proc formats and data set lookup.

EDUCATION

MAY 2021 – PRESENT

M.S. IN BUSINESS DATA ANALYTICS & IT, UNIVERSITY OF CENTRAL MISSOURI, MO

2009 – 2011

M.S. IN LAW OF FINANCIAL SERVICES & CAPITAL MARKETS, NALSAR UNIVERSITY OF LAW & IIRM, HYDERABAD, INDIA

2004 – 2008

BACHELOR'S IN TECHNOLOGY IN ELECTRICAL & ELECTRONICS ENGINEERING, SRI DEVI WOMEN'S ENGINEERING COLLEGE (JNTU AFFILIATED), HYDERABAD

SKILLS

Tools	Python, PostgreSQL, AWS, Azure, Hive, MongoDB, MapReduce, Spark, Linux
Packages:	Scikit-Learn, NumPy, SciPy, Pandas, NLTK, BeautifulSoup, Matplotlib, pyplot, PyTorch, Tensor Flow, Keras, Statsmodels, Jupyter Notebook
Statistics/ Machine Learning:	Statistical Analysis, Linear/Logistic Regression, Clustering, Graph Theory, Regularizations Statistics Modeling, Training & Mentoring, clustering, Data Analytics, Data Visualization, Data Modeling, Linear Algebra, XG Boost, Random Forest, Decision Trees, A/B testing, NLP, Deep Learning, Reinforcement Learning, Optimization, Quantitative Analytics, Predictive Models, Data Wrangling, Data Mining, Web Scraping, ML Algorithms.
• Web Technologies	HTML, XML, CSS, Django, Flask
• Cloud	AWS EMR, Glue, RDS, CloudWatch, S3, Redshift Cluster, Kinesis, DynamoDB.
• IDE's	Eclipse, Anaconda, VStudio

CERTIFICATIONS

- Microsoft Certified: Azure Data Engineer Associate - January 08, 2022, Expires on January 08, 2023
- AWS Academy Graduate - AWS Academy Data Analytics - August 02, 2021
- SAS Certified Base Programmer for SAS 9 - September 22, 2016.

COURSES

R, SAS, Python, C++, C, SQL, Python

TRAININGS

Data Science and Machine learning & Deep learning (SAS, SQL, Python & R)