SHALINI CHANDRA

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SUMMARY: Data Science enthusiast and expert Data Analyst skilled in collecting, processing and analyzing data in fast-paced environment. Capable of working as a Team Member or individually with minimum supervision. Flexible to adapt to any new environment with a strong desire to keep pace with latest technologies.

EDUCATION

Northeastern University, Boston, MA **Expected Dec 2021**

Master of Science in Information Systems | GPA- 3.6/4.0

Relevant Courses: Advance Data Science or Architecture, Designing Data Architecture and Business Intelligence, Data Science Engineering Methods &Tools, Data Management and Database Design, Application Engineering Development

Shri Mata Vaishno Devi University, J&K, India **Aug 2011 - May 2015**

Bachelor of Technology in Computer Science

Relevant Courses: Data Structures and Algorithms, Computer Networks, Calculus and Applied Mathematics, Statistics

TECHNICAL SKILLS

Languages	: Python, R, JAVA, SQL, Flask, HTML, CSS, Swift
Databases	: Microsoft SQL Server, MySQL, MongoDB, PostgreSQL, Oracle, Debeaver
Data Science Libraries	: Numpy, Pandas, Seaborn, Statsmodels, Scikit-learn, Seaborn, TensorFlow, Keras, PyTorch
Tools	: AWS, Jupyter Notebook, Coolab Notebook, Git, PowerBI, Tableau, Talend, Advanced Excel
Machine Learning	: Clustering, Regression, Decision trees, Time Series, Classification, Recommendation

PROFESSIONAL EXPERIENCE

Application Development Analyst | Accenture, India **June 2017- Dec 2019**

- Extensively used ETL methodology for Data Extraction, transformations, loading using Data Integrator.
- Generated scripts in Python using Selenium module which resulted in savings of about **100 hrs**. for client
- Designed and developed user defined mapping using JAVA to filter the large dataset which saved **time by 70%**
- Automated jobs which trigger weekly, monthly and yearly reports and saved **time by 50%**
- Conducted **5+ levels** of testing including functional, regression, UAT, integration to verify the clients need are met

Application Development Associate | Accenture, India **Jan 2016 - May 2017**

- Optimised data models, in conjunction with the functional team, created complex Stored Procedures, Triggers, Views and SQL Joins and made extensive use of Dynamic SQL scripting
- Improved defect analysis, defect reporting, defect tracking activities using tools like ALM and Service Now

Graduate Engineer Trainee | Agicent, India **July 2015 - Dec 2015**

- Fostered and launched an iOS app which collects news through APIs from multiple news website and summarized into top 5 points and saved time of **2 hrs. per week**

PROJECTS (Northeastern University, MA, USA)

Analysis on whether a customer opening a term deposit or not (Classification) **Aug 2020 – Sept 2020**

- Analyzed customer behavior on bank term deposit dataset by selecting most important features of each models Logistic, Decision Tree and Random Forest by applying regularization and hyperparameter tuning got an accuracy of 95%

Bank Marketing Analysis (Regression) **July 2020 - Aug 2020**

- Based on client behavior company would either invest more on website or mobile app based on customer actions generated a model that predict an accuracy of 80%

Cancer Treatment Management System (MySQL, Excel, Power BI) **May 2020 - July 2020**

- Designed an ER Model for a Cancer Treatment database using MySQL and reverse engineered using DDL scripts
- Invented functionalities for patient to check when they must go for diagnosis based on multiple tests done by specialists
- Executed the user role privileges to restrict write table operations, ensured proper backup and recovery for the project

Global Warming Analysis (Deep Learning) **Jan 2020 - April 2020**

- Web scrapping using Beautiful Soup to collect data from various sources – Deforestation API, Antarctic Mass loss API, Emissions and performed data cleaning and visualized the correlation between attributes using Seaborn heatmap
- Prediction Analytics on the final data using LSTM model with an epoch of 100 with an accuracy of 80%
  Artificial Neural Network for predicting future temperature with an accuracy of 90%