SHALINI CHANDRA

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Looking for co-op/Internship from Jan 2021

TECHNICAL SKILLS

Languages	: Python, JAVA, SQL, Flask, HTML, CSS, Swift, Power BI
Databases	: Microsoft SQL Server,MYSQL, MongoDB,T-SQL
Data Science Libraries	: Numpy, Pandas, Seaborn, Statsmodels, Scikit-learn, seaborn, TensorFlow, Keras, PyTorch
Tools	: AWS, Jupyter Notebook, Git, PowerBI
Machine Learning	: Clustering, Regression, Decision trees, Time Series, Classification, Recommendation

EDUCATION

Northeastern University, Boston, MA   Expected Dec 2021
Master of Science in Information System | GPA- 3.73/4.0
*Relevant Courses: **Data Science Methods &Tools, Database Management Systems, Application Engineering Development***
Shri Mata Vaishno Devi University, J&K, India   May 2015
Bachelor of Technology in Computer Science | GPA- 3.40/4.0
*Relevant Courses: **Data Structures and Algorithms, Computer Networks, Calculus and Applied Mathematics***

PROFESSIONAL EXPERIENCE

Data Analyst   **Accenture**, Hyderabad, India   Jun2017 – Dec 2019
- Optimized data collection procedures and generated reports on a weekly, monthly and quarterly basis
- Developed scripts in Python using Selenium module which resulted in savings of about 900 hrs for client
- Designed and developed custom adapter module using JAVA to send data as two attachments of an email which is not possible by direct PO

Application Development Associate   **Accenture**, Delhi, India   Jan 2016 – Jun 2017
- Reviewed, developed, and designed 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

Graduate Engineer Trainee   **Agicent**, Delhi, India   July 2015 – Dec 2015
- Developed and launched an iOS app which collects news through APIs from multiple news website and summarized into top 5 points for different sections like sports, politics, editorial etc and saved the articles for the future reading

ACADEMIC PROJECTS

Statistical testing on Data:
- Determined the relation between drug data groups using statistical hypothesis testing by conducting various test like **t-test**, **normality test** and **Mann-Whitney Test**
- Performed Bayesian estimations for rainfall data by using **probability density functions** and **gamma distributions**

Global Warming Analysis (Deep Learning)
- **Web scrapping** using **BeautifulSoup** to collect data from various sources – Deforestation API, Antartic 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%
- Used **Artificial Neural Network** for predicting future temperature with an accuracy of 90%

Movies Recommendation System (Pandas,Seaborn,Correlation)
- Developed web-based movies recommendation using **Flask** from scratch for movies prediction based on users rating and genre by using matrix correlation

MediCare System (Java, Swing, DB4O)
- Developed a **Swing**-based application to collaborate with various organizations involved in providing facilities to Old age homes across the world.

Ecommerce Analysis (Multi Linear Regression)
- Developed a model that predict company would either invest more on website or mobile app based on users time spent on app or website, length of membership and average session length.

Cancer Management System (SQL, Excel, Power BI)
- Used DDL queries like **table-level constraint**, **functions**, **Views**, **Symmetric Key** Encryption for maintaining database also displayed the summary of the Cancer Patient details and the Cancer Treatment Details using **PowerBI**.