

# SHALINI CHANDRA

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## EDUCATION

### Northeastern University, Boston, MA

Expected Dec 2021

Master of Science in Information System | 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

<b>Languages</b>	: Python, R, JAVA, SQL, Flask, HTML, CSS,
<b>Business Intelligence</b>	: Microsoft SQL Server, Data warehouse, Talend, Alteryx
<b>Data Science Libraries</b>	: Numpy, Pandas, Seaborn, Statsmodels, Scikit-learn, TensorFlow, Keras, PyTorch
<b>Data Visualization</b>	: PowerBI, Tableau, GGplot, Matplotlib, Seaborn
<b>Machine Learning</b>	: Supervised, Unsupervised, Reinforcement Learning, Deep Learning, Computer Vision, NLP

## PROFESSIONAL EXPERIENCE

### Quantitative Research Analyst Co-op | GMO LLC, Boston

Jan 2021 – June 2021

- Developing models which can be scaled broadly throughout the firm used in cash, bond and currency forecasts
- Designed and maintained procedures and tools that make data management and investment research more efficient
- Providing documentation of data cleaning and analysis that is detailed, accurate and clearly articulated to facilitate communications and replication

### Data Analyst | Accenture, India

June 2017- Dec 2019

- Performed detailed validation on data collected using SQL queries and improved **1M reports**
- Generated scripts in Python using Selenium module which resulted in savings of about **900 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 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

- Optimized 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 (Machine Learning)

Aug 2020 – Dec 2020

- Accessed data through APIs and analyzed customer behavior on bank term deposit dataset and implemented feature engineering and Data Visualization using multiple Classification algorithm Logistic, Random Forest and Naïve Bayes and compare the accuracy
- Created an interest prediction algorithm with 97% accuracy after evaluating 3 different machine learning model

### 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%