

# SHALINI CHANDRA

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## EDUCATION

### Northeastern University, Boston, MA

Jan 2020 - 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, Engineering Mathematics, Statistics

## TECHNICAL SKILLS

<b>Languages</b>	: Python, SQL, Java, R, Hadoop, Tableau, Business Objects, C++
<b>Cloud Services</b>	: AWS (Cloud Formation, EC2, S3, CloudWatch, IAM, Athena, Glue, Boto3), Azure
<b>Databases</b>	: BigQuery, Microsoft SQL Server, Oracle, MySQL, MongoDB
<b>BI Tools</b>	: Talend, PowerBI, Tableau, Alteryx, Looker, Data Architect ER Studio, SAP BODS, Advanced Excel
<b>Data Science Libraries</b>	: Numpy, Pandas, Seaborn, Statsmodels, Scikit-learn, Seaborn, TensorFlow, Keras, PyTorch
<b>Machine Learning</b>	: Regression, Classification, GBM, Random Forest, Neural Networks, Clustering, A/B testing

## PROFESSIONAL EXPERIENCE

### Data Analyst | Accenture, India

June 2017- Dec 2019

- Migrated the existing data from Datawarehouse to SAP BODS and performed ETL operations on terabyte sized data
- Automated ETL processes, making it easier to wrangle data and reducing time by as much as **40%**
- Designed and developed data pipeline to filter the large dataset which saved **time by 70%**
- Automated jobs which trigger weekly, monthly and yearly pharmacy and finance based 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

- Optimized query performance and created complex Stored Procedures to process and automate data in Relational databases
- Implemented data-driven solutions, such as reporting, algorithms, or data integration systems to align business goals

### 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)

### Chinook Datawarehouse (SQL, Business Intelligence, Alteryx, Tableau)

October 2020

- Dimensional Data Modelling for Chinook Database and did Reverse Engineering using ER Data Architect
- Extracted Data from relational database, transform and loaded to Datawarehouse using Alteryx
- Pulling data with SQL and joining across several data sources and interactive data visualization using Tableau

### Data Warehousing and Business Intelligence (SQL, ETL, ER Studio)

September 2020

- Designed data modeling on AdventureWorks database operation MS SQL Server, Oracle, ER Studio
- Integrated data from multiple systems to create a multi-dimensional data warehouse for unclean data operation Alteryx
- Implemented Slow Changing Dimension (SCD) and outriggers to integrate data in Alteryx and Talend
- Built BI Dashboards in Power BI based on product online sales to help stakeholders derive better business strategies

### Cancer Treatment Management System (MySQL, Talend, Power BI)

May - July 2020

- Designed an ER Model using third normal form for a Cancer Treatment database using MySQL
- Invented multiple functionalities related to patient's diagnosis and generated reports using Power BI

### Analysis on whether a customer opening a term deposit or not (Classification Models)

September 2020

- Data extraction, data engineering, data analysis, machine learning, data modeling and built automated pipelines on large datasets based on customer behavior. Trained models Logistic, Decision Tree and Random Forest by applying regularization and hyperparameter tuning got an **AUC of 95%** from Random Forest

### Ecommerce Analysis (Multi Linear Regression)

August 2020

- Implement end to end data pipeline based on client behavior predicted company would invest more on website or mobile app based used Multi Regression model with Lasso that predict an **accuracy of 80%** and deployed on Flask Web App