

# SHALINI CHANDRA

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Looking for co-op/Internship from Jan 2021

## Technical Skills:

<b>Languages and scripts</b>	: Python, JAVA, SQL, Flask, HTML, CSS, Swift
<b>Databases</b>	: Microsoft SQL Server, MySQL, MongoDB, T-SQL
<b>Data Science Libraries</b>	: Python: Numpy, Pandas, seaborn, statsmodels, scikit-learn, seaborn, tensorflow, keras
<b>Cloud Services</b>	: AWS(Lambda, S3, EC2, CloudWatch, IAM, Sagemaker, Kinesis)
<b>Machine Learning Algorithms</b>	: Clustering, Regression, Decision trees, Random Forest, Classification, Recommendation

## Education:

**Northeastern University**, Boston, MA

Expected Dec 2021

*Master of Science in Information System*

GPA- 3.73

*Relevant Courses: **Data Science Methods & Tools, Database Management Systems, Application Engineering Development***

**Shri Mata Vaishno Devi University**, J&K, India

May 2015

*Bachelor of Engineering in Computer Science*

## Professional Experience:

### Application Development Analyst

Jun 2017 – Dec 2019

**Accenture**, Hyderabad, India

- Responsible for Data Sourcing, Data Cleansing, Data mapping and solved errors by analyzing the linkages on the missing data.
- 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, Tables, Cursors, 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, gamma distributions

### Global Warming Analysis (Deep Learning)

- **Web scrapping using BeautifulSoup** 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 approximation of around 80%
- Used **Artificial Neural Network** for predicting future temperature with an approximation of around 90%

### Recommendation System(Pandas, Seaborn, Correlation)

- Developed a recommendation system from scratch for movies prediction based on users rating and genre

### 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 (Linear Regression sklearn)

- 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