

Shreemayi Sonti

ss16270@nyu.edu | 551-998-3256 | <https://www.linkedin.com/in/shreemayi-sonti-076617157/>

EDUCATION

New York University

September 2022 - May 2024

MS in Data Science

Coursework:

Introduction to Data Science | Computational Linear Algebra and Optimization | Probability and Statistics

Machine Learning | Big Data

Jawaharlal Nehru Technological University

July 2017 - July 2021

Bachelor of Technology- Electronics and Communication

GPA 9.3/10

Coursework:

Calculus I & II | Linear Algebra | Transform Calculus | Embedded Systems | Digital Communication | Digital Signal Processing |

Intro to IoT | Algorithms and Programming using C | Data Structures using Python | OOPS using Java | Computer Networks |

Principles of Cloud Computing

SKILLS

Languages: Python, PL/SQL, Java | **Data Visualization and Analytics:** PowerBI | **Cloud:** Azure- Blob Storage, Databases, Key vault, VMs, AWS - lambda | **Databases:** MS SQL, Oracle | **Version Control:** Git (GitHub) | **CI/CD Build Tools:** Jenkins, Gradle | **Other:** JIRA, MS Office

EXPERIENCE

Gap Inc., Hyderabad

July 2021 - July 2022

Software Engineer

Worked on internal applications for Store Associates

- Generated reports from huge volumes of sales and inventory data using data engineering and visualization tools like Apache kafka, SQL, and Power BI. Shared reports with leadership to support inventory allocation and sales analysis.
- Led the migration of the application database from Oracle Cloud to MS SQL on Azure, modified the procedures, code, CI/CD pipeline accordingly.
- Updated the ARM template for storage accounts on Azure and added expiration rule to purge files older than certain days automatically eliminating the need for deleting files manually or paying for the extra storage costs.

Collins Aerospace, Bengaluru

April - July 2021

Intern- Data Analytics team

- Developed a decoder logic for analytics team using Python that encoded sortie data and deployed it on AWS lambda.
- Compared Kafka and RabbitMq as containers on Docker and decided Kafka is a better replacement to the existing system. The existing system received files in a VM and processed the files to get the required data.

PROJECTS

Comparison of Statistical and Deep Learning Techniques in time series forecasting

July 2021

Modeled using two different types of time series algorithms and compared the results- S/ARIMAX and LSTM on daily (stock price) and monthly (champagne sales) datasets and observed that LSTM outperformed incase of stock price prediction, whereas S/ARIMAX did better with monthly datasets.

IoT based Home Safety and Security

Jan-March 2020

Periodically checking if the window is open and if there is any gas leakage in the house and alerting the user using a mobile app (Kodular companion). Data read by the sensors is pushed to Google firebase, a real-time database using LoRa communication technology.

Smart health monitoring system Hackathon

Jan 2019

The project deals with monitoring parameters of health using Raspberry Pi by taking data via sensors and hence, suggesting remedies for better health.

CERTIFICATIONS

- [Certified Associate in python programming \(PCAP\)](#)

- [AWS academy Cloud foundations course](#)

- Python for Data Science and Machine Learning on Udemy by Jose Portilla

- Introduction to IOT by NPTEL, Duration- 12 weeks July-Oct 2019 and received a gold medal from IIT KHARAGPUR

- Introduction to Networks course on Cisco Netacad.