

JAYANTH SAI KARRI

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EDUCATION

Northeastern University, Boston, MA

Master of Science in Data Analytics Engineering (GPA: 3.5)

May 2024

Relevant Courses: Foundations of Data Analytics, Data Management for Analytics, Prob and Stats, Computation and Visualization, Data Mining.

Jawaharlal Nehru Technological University, (Dhanekula Institute of Engineering & Technology)

June 2022

Bachelor of Technology in Computer Science and Engineering (GPA 3.2)

Relevant Courses: Machine Learning, Operating Systems, DBMS, Distributed Computing, Computer Networks, Data Structures.

SKILLS

Programming Languages: Python, SQL, NoSQL, R, HTML

Software and Visualization Tools: Tableau, Visual Studio, Jupiter Notes, Flourish, Google Collab, Word, Excel

CERTIFICATIONS

- **Coursera**- *Getting Started with Python*
- **Cisco Networking Essentials** - *Programming Essentials in Python*
- **AWS Academy Graduate** - *AWS Academy Cloud Foundations Issued by Amazon Web Services Training and Certification*
- **Coursera**- *Object Oriented Programming in Java*

EXPERIENCE

AWS CLOUD INTERNSHIP (REMOTE)

India

Intern

Oct 2021 - Dec 2021

- Gained insights on AWS cloud foundations and creating virtual instances in AWS cloud
- Hosted a website by creating and configure an ec2 instance in the AWS management console, other features like load balancing and storage services are also utilized for hosting the website

PROJECTS

TIME SERIES ANALYSIS ON HUMAN ACTIVITY MONITORING | PYTHON

Northeastern University

Sept 2022 - Dec 2022

- Generated functions to incorporate time series analysis on human activity monitoring to create a forecasting model.
- Developed custom python functions to input accelerometer data for 15 different subjects, generating graphs to compute the outputs
- Compared multiple variables on Natural Visibility Graph (NVG) and Horizontal Visibility Graph (HVG) to determine end results, Improved the accuracy of predictive models for health and wellness outcomes by utilizing the results of data analysis.

BANKING AND FINANCIAL SERVICES MANAGEMENT SYSTEM | SQL

Northeastern University

Sept 2022 - Dec 2022

- Developed conceptual data models and mapped to relational database with over 10 entities
- Implemented business cases through MySQL and NoSQL databases to understand banking and financial database management systems.
- Connected MySQL through Python IDE to perform analytics and gain insights on transaction, loan and other service trends.

ROLE BASED ACCESS CONTROL USING AI | PYTHON

Jawaharlal Nehru Technological University, (Dhanekula Institute of Engineering & Technology)

Jan 2022 - June 2022

- Developed real-time modules to predict the "Employee Access Control" deploying ML Algorithm.
- Obtained historical data in real-time from a company and discovered the data was imbalanced, conducted exploratory data analysis to clean the data and improve the accuracy of the model.
- Evaluated the model's performance using metrics such as Matthews Correlation Coefficient (MCC), Area under the Curve (AUC), and Receiver Operating Characteristic (ROC) scores to specify model's ability to accurately predict the outcomes.
- Monitored the forecasted results of various algorithms, (Cat Boost) gave an accuracy of 89% is deployed for testing the results.

INTERESTS

Travelling and exploring new places, Painting, Drawing, Cooking, playing games such as badminton, chess, mobile games, participating in hackathons and science exhibitions, participating in community service.