PARTH RATHOD

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EDUCATION

Illinois Institute of Technology **Chicago, IL**
Master's in Computer Science GPA: 3.66/4.0 *Expected Graduation: Dec 2022*

SKILLS

- Programming Languages: Python, R, Flask, Java, HTML/CSS, JavaScript, C/C++, JSON, XML
- Database and Cloud: SQL, MSSQL, MYSQL, PostgreSQL, Oracle, Google Cloud, AWS
- Data Science and Miscellaneous Technologies: TensorFlow, Keras, OpenCV, CNN, NumPy, SciPy, Pandas, Scikit-learn, A/B Testing, ETL, Hypothesis Testing, Spark, Hadoop, Hive, Data Science Pipeline (cleaning, wrangling, visualization, modelling, interpretation),Statistics, Experimental Design, Excel, Git, Matlab, Postman, Agile Development, Critical-Thinking, Problem-Solving, Analytical, Debugging, Presentation

EXPERIENCE

Accenture (Python, SQL, Data Analytics, Data Visualizations) **India**
Data Analyst *Aug 2018 – Dec 2020*

- Built a tool using Java for Australian Client. The tool handled around 200K data. Created a UI for the tool using HTML, CSS, JavaScript and automated the process with Jenkins.
- Developed 20 Power Shell Scripts for automating tasks like Security patches for Windows, creating AD User in AWS, scheduling services of AWS as per the project requirements. The entire process was automated and the response time was 50 milliseconds.
- Proactively taking additional responsibilities of doing Data Analysis for the AWS services of the project.
- Giving insights about the failures of the incidents and frequency of failure of SAP interfaces.
- The accuracy of insights was 80%.
- Performed in-depth exploration, production, and implementation of business requirements, and played a key role in audit.
- Clients were consulted in production support, managing incidents and suggesting solutions.

PROJECTS

New York 311 Data Challenge [Project Link] *Dec 2021*

- Using Pandas processed 3.4 Million Records for city of New York containing complaints posted on 311 website. Created a dashboard for visualization of various types of complaints.
- Used Extreme Gradient Boost for classification of complaint type. Accuracy of classification is 80%.

Quora Social Site Data Analysis [Project Link] *Sept 2021*

- Performed in depth key analysis of site. Created analysis report about what part of website and which specific users has to be focused in order to improve the user engagement.
- With the help of my analysis the user engagement can be increased by 2% overall, across all genders and user-types.

Likelihood of H1B Visa Prediction [Project Link] *July 2021*

- Performed Data Visualization and Data Analysis techniques on 3000K records using Gradient Boosting Algorithm for performing classification.
- F1-score is around 97% and Accuracy around 94%.

Speech Emotion Recognition [Project Link] *March 2021*

- Using Multi-Layer Perceptron algorithm, classified the emotions into 8 categories.Implemented Deep Neural Network to compare the accuracy of two algorithms.
- The accuracy of MLP is 78% and accuracy of Deep Neural Network is 63%.