Rahul Singh

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Education

Gannon University **Erie,PA**
Computer and Information Sciences, Data Science **GPA:** 3.90 2021–2023
Coursework: Cloud Computing, Data Centric Concept, Big Data, Data Visualization, Statistical Computing,Requirement Project Management.

Mumbai University **Mumbai, India**
Information Technology **GPA:** 3.25 2016–2019
Coursework: Data Structure Algorithm, Python, Java, DBMS, PHP, C language, HTML, Digital Electronics, Operating Systems. ASP.NET.

Activities: Kaggle Scholar, Research on New and Upcoming technologies in Data Science, Organizer for cultural nights at university, Student Counselor for International admissions and Machine Learning Enthusiast.

Experience

Gannon University **Erie,PA**
Office of Global Admissions Oct 2021–Present
- Communicate with potential global Gannon students to guide them and update them on their admission.
- Utilize Perceptive Content software to check applicants' admission status and communicate accordingly.

Projects

Thyroid Detection May 2022
- The goal of the project is to create a prediction system that can determine whether a patient has a high or low risk of developing thyroid disease.
- The thyroid is a neck-based endocrine gland that produces hormones (FT3 and FT4) that are then released into the bloodstream.
- Major disorders may develop in either situation when the thyroid gland functions either above or below normal levels (hyperthyroidism with high hormone levels versus hypothyroidism with low hormone levels).
- Treatment for thyroid disorders is crucial for this reason.
- **Tech Stack**: Stream-lit, Random Forest, Scikit-Learn, Docker, CircleCi, mlops using MLflow, etc.

Wafer Fault Detection. Jan 2022
- The goal of the project is to create a predictive system that can tell whether a wafer deployed across numerous sites is performing properly or is damaged.
- A wafer is a thin slice of semiconductor material used in the manufacture of integrated circuits and solar cells. In the existing situation, if a wafer is damaged, an individual must inspect every wafer available to identify the damaged one.
- The model seeks to identify the damaged wafer, avoiding inspection of all wafers present.
- **Tech Stack**: Python, Flask, XG Boost, Decision Tree, KNN, K-Means, Mongo DB, MLflow, etc.

Heart Failure (HF) Prediction using Machine learning Sep 2021
- Predict the outcome of Heart Failure Using Correlations analysis, K-mean, Principle component analysis (PCA)
- Identify the key feature using machine learning classifiers, a patient's survival can be predicted based on important clinical features and got **88% accuracy**.
- **Tech Stack**: Python, Flask, Heroku, SQLLITE.

Web Crawlers for Image Data Sentiment Analysis and Product review Sentiment Analysis. Aug 2021
- Developed web scraper using Python to filter out the reviews from the E-commerce site like Flipkart.
- Performed methods such as post, get, filter out the reviews from the site, and successfully test and deploy it on a Cloud Platform like Heroku.
- **Tech Stack**: Python, Flask, Heroku, SQLLITE.

🖐 Skills

👍 **Expert**: Python, NumPy, Pandas, R, MySQL, SQL, Latex, Git/Terminal, Data Analysis/Visualization,Stream-lit, Keras, OpenCV, Matplotlib, Scikit-learn, Seaborn, NLTK, SciPy,Power BI, Jupyter, AWS GCP Services

👌 **Proficient:** C, SQL, HTML (Liquid), CSS, Java, JavaScript (React), Azure/AWS, WordPress, Git, Django, Flask, PyTorch, Amazon Lex.

👉 **Novice:** Linux, React JS, RASA NLU, ASP.NET, Flutter.

🏆 Awards

Hacker Rank Python Gold : 5 Star Problem Solver — Aug 2021 - Present