Rahul Nair

Chicago , IL - 60616|312-536-5880| rahulmnair1997@gmail.com | https://www.linkedin.com/in/rahul-nair-99007a9/ | https://github.com/rahulmnair1997

SUMMARY: Graduate student pursuing Master of Data Science at Illinois Institute of Technology. Passionate about working with data and deriving impactful insights out of data. Looking for Data Science Internship opportunities.

EDUCATION

Masters of Science: Data Science Illinois Institute of Technology **(GPA-3.33)** Aug 2019 – May 2021
Bachelor of Technology: Computer Science University of Petroleum and Energy Studies **(GPA-3.47)** Aug 2015 – June 2019

SKILL SET

Languages: Python (NumPy, SciPy, Pandas, Scikit Learn, Matplotlib), R (tidyverse, rcpp, dplyr, lubridate), Scala, Java, SQL, C, C++, Pyspark
Databases: Ambari, Hadoop, MapReduce, HBase, MongoDB, Pig, Hive, Cassandra, MySQL, PostgreSQL, Neo4j, BigQuery
Tools/Platforms: Microsoft Azure, AWS, Apache Spark, GraphX, Gephi, Docker, OpenCV, TensorFlow, GitHub, Tableau, DJANGO, FLASK, Google Analytics
Certifications: Object Oriented Programming in Java (UC San Diego) - Coursera.

WORK EXPERIENCE

Machine Learning Intern, Epic Minds IT Pvt. Ltd. Jun 2018 – Aug 2018

- Responsible for building an image classification model using python which could classify the plant disease into any of the 10 categories with an **accuracy of 86%.**
- Used Google Inception v3 model for training along with DJANGO and FLASK to integrate the model with an interface.
- Developed a web-app, "Plant Disease Detector" which detects diseases in plants.

ACADEMIC PROJECTS

Yelp Recommender System for Restaurants, Illinois Institute of Technology

- Built a fully deployed recommender system for suggesting restaurants to users using hybrid matrix factorization method.
- Analyzed other algorithms such as content-based, collaborative, Approximate nearest neighbor, etc. and tweaked the hyperparameters using "scikit-optimizer".
- Deployed the final model using Angular JS and Flask.

StackOverflow Data Analysis, Illinois Institute of Technology Oct 2019 Dec 2019

- Responsible for creating a "Tag Predictor" using Pyspark which predicts tags for any StackOverflow post with an **accuracy of 83%.**
- Extracted StackOverflow data using BigQuery.
- Ran queries on Hive and Pig on the dataset to execute certain analysis.

Facial Expression Identifier, University of Petroleum and Energy Studies Aug 2018 – Dec 2018

- Responsible for building an image classification model using Python which could classify the image taken live by webcam into any of the 4 categories with an **accuracy of 84%.**
- Used Google Inception v3 model for training along with DJANGO and FLASK to integrate the model with an interface.
- Developed a web-app, "Facial Expression Identifier" which predicts the facial expression of the person.

Job Recommendation system, University of Petroleum and Energy Studies Jan 2018 – May 2018

- Built a recommender system using C++ for recommending jobs to users based on their qualification, location preference, salary expectation, etc.
- Employed cosine similarity for this purpose.

PERSONAL PROJECTS

US Accidents Data Analysis Nov 2019 – Dec 2019

- Created a Data Analysis report on US Accidents dataset from Kaggle which consists of 2.25 million records.
- Used Data Visualization techniques in Python to showcase the relations among certain parameters such as temperature, location, etc.