Vinothini **Pushparaja**

vinothini.pushparaja@gmail.com | 551.208.9119

EDUCATION

SAINT PETER'S UNIVERSITY
MS in Data Science
MAY 2018 | Jersey City, NJ
GPA: 3.91

ANNA UNIVERSITY
BE in Computer Science Engineering
APRIL 2014 | TN, India

LINKS

Github:// **vpushparaja22**
LinkedIn:// **vinothinip**

COURSEWORK

GRADUATE
Statistical Analytics (SAS, R)
Data Visualization (Tableau, Python)
Data Mining (AWS, PostgreSQL)
Data Analysis (Applied Statistics)
Machine Learning (R)
Database & Data Warehousing (RDBMS)
Big Data Analytics (Hadoop)
Marketing Analytics (Python)

UNDERGRADUATE
Data Warehousing and Data Mining
Artificial Intelligence
Software Engineering
Design and Analysis of Algorithms
Data Structures
Database Management Systems
Object Oriented Programming

EXPERTISE

MACHINE LEARNING/AI:
Python (Scikit-learn, Pandas, Numpy) •
NLTK • Neural Network • CNN • RNN
DATA VISUALIZATION:
Tableau • Plotly • Seaborn • Matplotlib
DATA ANALYTICS:
R • Google Analytics
BIG DATA:
Hadoop • Hive • AWS (S3 | EC2)
DATABASE:
MySQL • PostgreSQL
OTHER:
Excel (Pivot Tables | VLOOKUP | Macros)
• Git • HTML • CSS

OBJECTIVE

A go-getter, passionate about solving real-world problems using statistic models, flexible in utilizing various machine learning and AI techniques in a fast-paced environment. My goal is to be the go-to person wherever data holds the key to solving a problem, however complex/challenging it may be.

EXPERIENCE

AYITI NOW CORP | Data Visualization Analyst + Part-time
August 2018 – Present | Remote
- Report actionable, analytical insights to the team to make informed decisions.
- Generated interactive Tableau dashboards to deliver analytic-driven insights.
- Conveyed insights through compelling stories from data with charts and graph.
- Utilized Google Analytics to find the effectiveness of each marketing strategies.

WIPRO TECH LTD | Software Engineer - Data Scientist
June 2014 – June 2016
- Optimized existing predictions of user's TV content search for a large amount of data by implementing machine learning and data mining techniques.
- Generated new strategies based on the insights and comparisons from global team, resulted in enhancing the performance of the team of around 15 people.
- Ensured accurate model integration into firms platform by working with team.
- Resolved and troubleshot issues escalated by customers and internal systems.
- Identified, developed, implemented and deployed appropriate solutions to ensure system integrity.
- Acquired knowledge of using tools like Python, SQL, Java, Shell commands, Linux, Perforce, BugBase, Jenkins, Code collaborator & Agile Tools (Jira).

PROJECTS

Patient length of stay prediction | Hackathon | October 2018
Predicted the ideal length of stay of a patient on HCUP dataset in order to avoid the entire cost of readmission in hospital within 30 days of discharge. Performed exploratory and descriptive analysis using regression models.

Yelp Restaurant Image Classification | Capstone | Jan 18 - May 18
Multi-label classified 2,000 restaurants from 237,000 images using supervised learning models. The models were tested with 10,000 restaurants with 1.2 million images. Features for the models were extracted from images by pre-trained deep neural network called RNN. Tools: Tensorflow, Keras.

Bag of Words meets Bag of Popcorn | St. Peter's Univ | Dec 17
Performed sentiment analysis for IMDB movie reviews using Bag of Words model. Utilized Bag of Words a Word2Vec method to understand the meaning and semantic relationships among words. Validated and tested top 5000 words on models like random forest, logistic regression and SVM.

AWARDS

2018	1st/10		Saint Peter's Univ Data Science Hackathon
2016	Top Player		Wipro Technologies Ltd