

# Vinothini Pushparaja

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## EDUCATION

### Saint Peter's University

Master of Science in Data Science with  
Concentration in Business Analytics  
Expected Graduation: May 2018  
Overall GPA: 3.9

### Anna University

Bachelors of Engineering in  
Computer Science Engineering  
April 2014, Overall GPA: 3.25

## SKILLS SUMMARY

### PROGRAMMING

Over 5000 lines:

Java 8 • Python • Scikit  
Pandas • Numpy • R

Over 1000 lines:

HTML • Shell • MySQL

Proficient:

Git • Tableau • SAS

Excel (Pivot Tables • VLookup)

AWS (S3 • EC2)

## COURSEWORK

Big Data Analytics

Data Visualization

Data Mining

Data Analysis

Database & Data Warehousing

Machine Learning

Statistical Programming

## ACTIVITIES / AWARDS

Participated in Campus Ministry,  
prepared meals and served others.  
Coordinated Bootcamp on Python.  
Wipro Ltd. - Top Player of the  
team.

## PROFESSIONAL OBJECTIVE

To obtain a challenging position that will enable me to apply and utilize my problem-solving, programming, and analytical skills to make a strong contribution in Data Science.

## EXPERIENCE

### Wipro Ltd.

Software Engineer

March 2015 – June 2016

Bangalore, India

- Resolved and troubleshoot issues escalated by customers and internal systems, identified, developed, implemented and deployed appropriate solutions to ensure system integrity.
- Single-handed served as translator for a diverse regional client-base to ensure optimum product knowledge.
- Developed a Python script to transfer regional data from the string file and collected in Excel sheets.

## RESEARCH PROJECTS

### Yelp Restaurant Photo Classification January 2018 - April 2018

- Multi-label classified 2,000 restaurants considering 237,000 images using machine 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. Random Forest achieved a score of 0.83.

### Bag of Words Meets Bags of Popcorn Sept 2017 - Dec 2017

- For IMDB movie reviews, performed sentiment analysis for each review using Bag of Words model. Tools: Python, NLTK
- Utilized Bag of Words a Word2Vec method to understand the meaning and semantic relationships among words.

### Seattle Safe and Smart Parking January 2017 - May 2017

Solaria labs, Liberty Mutual, Boston MA

- Utilized Seattle crime and parking lot government data and predicted the safety of vehicles on the parking spots using Logistic Regression model. Tools: R, R Shiny

### Olympics Data from 1896 - 2008 January 2017 - May 2017

- Created Tableau Dashboard with interactive views, quick filters, & drill downs, to visualize medals obtained country wise.