VARUN P

ASSISTANT PROFESSOR

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Skills

Tools

- ✓ Good Knowledge in Excel
- ✓ Python, Numpy, Pandas, Matplotlib, Scikit
- ✓ Apache Hbase, Hadoop, Hive
- ✓ AWS, GAE
- ✓ SQL, NoSql
- ✓ Virtual Box
- ✓ GIT

Techniques

- ✓ Linear Regression
- ✓ Logistic Regression
- ✓ Clustering
- ✓ SVM
- ✓ CNN

Certifications

- ✓ Data Science [UpGrad]
- ✓ AWS [Udemy]
- ✓ Python for Data Science [NPTEL]
- ✓ Machine Learning [Coursera]
- ✓ Cloud Computing [NPTEL]

Summary

Innovative and scientifically rigorous recent graduate with a significant data experience to bring to the table. I'm excited to apply my passion for data science to the collaborative efforts of a team focused on insightful, high-quality data analytics and visualizations.

Work Experience

June 2012 - Till Date — Assistant Professor
St. Joseph's College of Engineering

- Utilized innovative teaching methods and involving their projects for testing to encourage student learning objectives.
- Established and maintained rapport with other staff, students and parents to facilitate communication and academic progress.

July 2009 - Mar 2012 — Lecturer
PMR Engineering College

- Developed program to work with students and increase interest in higher learning.
- Created excitement and enthusiasm in the classroom by delivering.

Aug 2007 - Oct 2009 — Software Testing Engineer
IT Point Software Tech India Pvt Ltd.,

- Performed unit, integration, system and performance testing for several applications.
- Advocated for end-users to perform testing and problem analysis for sever, desktop and client application.
- Preparation of Test Cases and Test Scenarios.
- Consistently met deadlines and requirement for all Production work orders.

Education

2018 – Till Date — Ph.D (Pursuing)
Sathayabama Institute of Science and Technology, Chennai.

2010 – 2012 — M. Tech (IT) – 74.8%
Sathayabama University, Chennai.

2002 – 2006 — B. Tech (IT) – 66%
E.V.P Engineering College, Chennai.

Project

Lead Scoring Case Study

Roles & Responsibility: -

- Built a logistic regression model to assign a lead score between 0 and 100 to each of the leads which can be used by the company to target potential leads.
- A higher score would mean that the lead is hot, i.e. is most likely to convert whereas a lower score would mean that the lead is cold and will mostly not get converted.

Bike Sharing

Roles & Responsibility: -

- Built a Multiple Linear Regression Model to predict demand for shared bikes.
- This model can be used by the organization to manipulate the business strategy and to meet demand levels and customer expectations.
- It will be a good way for the management to understand the demand dynamics of a new market.

Credit EDA

Roles & Responsibility: -

- Identified the patterns which indicate client's difficulty paying their instalments which may use to take actions for denying or accepting.
- Identified factors that are strong indicators of "Loan Defaulters".
- This knowledge can be utilized by the Organizations for its portfolio and risk assessment.

IMDB Movie Analysis Entertainment Sector

Roles & Responsibility: -

- Given a data set of 100 top-rated movies from a decade, performed EDA and visualization to find interesting insights using Python.