

Tapas Mahanandia

Python & Django Developer/Machine Learning-Data-Scientist/NLP engineer

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PROFILE:

To associate with a well-respected organization that provides an opportunity to present my capabilities and accept challenges. Seeking a challenging position to improve my skills and knowledge as per the latest technology and contribute effectively to the growth of the organization.

PROFESSIONAL SUMMARY:

Feb 2020 – Present INNODATATICS *Innovation | Data |Analytics Hyderabad

- Good Knowledge of Python and R statistical software.
- Sound understanding of linguistic.
- Utilized Algorithmic and programming tool to build helpful predictive model.
- Performed Exploratory data analysis and discovered notable relationship.
- Tracked Performance and identified business improvement trends.
- Good at Text mining and text analytic.
- Familiar with a good deal of deep learning and machine learning algorithm like CNN, RNN, SVM, BNN.
- Basic knowledge on statistical concept like Hypothesis, Chi-Square-test, ANOVA.
- Good knowledge on Python data extraction and data manipulation using NumPy and Pandas.
- Sound Knowledge on Sk-Learn, Seaborn, SciPy for scientific calculation, visualization and analysis of text.
- Good at Naïve Bayes, Ransom forest, Decision-tree, Logistic regression & Principal Component Analysis.

Work Experience:

- 5+ years Data analysis of research work of my pg. assisted my colleague.
- Project Research Experience, Studied the impact of Pre and Post GST.
- Experience in Designing machine learning model
- Ability to Effectively identify problem and solution in effective visualization.
- Worked as finance Project Administer; Data base creation, Data mining memo creation using spread-sheet.
- Experience in designing reports & Dashboard like Bi tools, Tableau.

Feb 2020 – Present Internship and live projects Hyderabad

Tools & Tech: Logistic regression, Decision-tree, Random-forest, Stacking, Bagging, Ada, Xg-boost and Ensemble method.

- Generated simulated data for analysis and prediction.
- Data preprocessing and implemented various machine learning algorithm.
- Performed EDA analysis and data visualization to get insights of project.
- Created pipeline between python and Mongo Db, fetch data to python from db.
- Deployed the model using Flask.
- Evaluated the cause of employee attrition based on Training hours, Tenure, Salary hike and work-life balance.

Skills:

Data Verification and Maintenance	Data Mining
Predictive modelling, Data base Development	String Analytical and Leadership
Programming: Python, C	R

Machine learning skills

Classification Model: (Naïve Bayes, KNN, SVM, Decision -tree, Random Forest)
Regression Model: (Linear regression, Multiple linear regression, Logistic regression)
Clustering Algorithm: (Hierarchical & non-hierarchical clustering)

Deep Learning: (CNN, RNN, LSTM, DBM)

Text Mining & Libraries & Test mining:

NLP: Skilled, Text mining:

Web text parsing:

Text Classification:

Text mining:

Sentimental Analysis:

Topic modeling LDA

Unstructured text data-

Python library for Visualization, Data manipulation scientific calculation: Pandas, Sk-learn, NumPy, Matplotlib, Stats models, seaborn,

Data Base skills: Mongo Db:

PG-SQL

Dashboard & Visualization skill:

Tableau, Power BI

Project Details:

Client Name: Emerging Technologies Consulting firm Innodatatics USA

Project Name: HR Analytics: - Attrition Rate Prediction Performance Analysis:

Project Description:

The goal of this project is to identify cause of employee attrition of an organization, what we did, we have taken variable like salary hike, training hour and tenure and work-life balance to study the impact on employee. And finally, able to deploy the model using flask, if we put the employee id, and it will show which employee will leave or not.

Technique Used: -

Tool Used: - Python, Mongo Db, Jupiter notebook

Library Used: Logistic regression, Decision-tree, Random-forest, Stacking, Bagging, Ada, Xg-boost and Ensemble method.

Business Benefit: - Successfully predicted variables in our analysis cause of attrition

Education and Experience:

Data Science (2020) UNIVERSITI TEKNOLOGI MALAYSIA
PhD (2019) Continuing Utkal University
M.Phil. in Finance Accountancy (2018) First Division, Utkal University
Master in Commerce Finance & Accountancy (2015) First Division, Utkal University
B.com Accountancy and finance (2012) First Division, Utkal University
+2 Commerce (2009) First Division with, BJB Junior college
10th Matriculation (2006) BSE, Odisha, First Division, PSSK

Professional Experience:

Kerala English Medium School: June 29 2017 to Jan 2 2018 Faculty

Mahashakti Techno Lab: July 12 2018 to Feb 8 2020: Faculty

References:

- Sowjanya V From Capgemini, email- sowjanya13989@gmail.com
- Sharat Manikonda email- manikondasharat@yahoo.com
- Nitin Mishra email- nitinmishra@yahoo.com