TAPAS KUMAR MAHANANDIA

Intern Data science Innodatatics

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PROFESSIONAL SUMMARY

Seeking an opportunity in Data Science and Machine learning an organization to work with, I a m hardworking, and Curious learner, I will utilize my technical skill to achieve the goals of the organization.

A short synopsis about me, at recently I joined PGDM Data Science ExcelR, learnt the data science skill, I m a curious learner of python, Pythonista (python developer in python projects). Problem solving skills, Flexible nature, Collaborative, Leadership, Team building skills are my few assets and also worked workshop and seminar presenter. Worked cross-platform projects by self and gained certifications. I have good business case understanding, with case-studies depth analytical experience. I am Proficient skills in python, r, tableau, power-bi, sql.

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INTERNSHIP AND LIVE PROJECTS

I worked in innodatatics, kual lumpur Malaysia as a intern June 2020 to till date.
Internship duration 28,Oct,2020 till date continuing.

Project 1(phase 1) – Innodatatics, HR Analytics, Employee attrition analysis, data phrasing from Mongo DB to data importing and cleaning, successfully deployed model, in flask web app, algorithm used (train%, test%),Discission tree classifier(100%,89%),Bagging(100,86%) ,Bosting(100%,82.80),Random forest Classifier(99.85,88.71%). Final model is deployed using ensemble method.

EDUCATION

Data Science (2020) UNIVERSITI TEKNOLOGI MALAYSIA
M.Phil. in Finance Accountancy (2018) First Division with 66% pc, Utkal University
Master in Commerce Finance & Accountancy (2015) First Division 61%, Utkal University
B.com Accountancy and finance (2012) First Division 61%, Utkal University
+2 Commerce (2009) First Division with 66%, Bjb Junior college
10th Matriculation(2006) BSE ,Odiaha , First Division 66% , PSSK

TECHINICAL SKILLS

PROGRAMMING JKMNNLANGUAGE SKILLS:
CLANG, R, PYTHON, HTML, CSS, BOOTSTRAP, ……JAVA SCRIPT….

Machine Learning Capabilities: Classification (Naïve bayes, SVM, Discission tree , ,Random forest), Regression models(Linear , multiple , logistic) , Clustering , Hierarchical and non-Hierarchical Clustering, Deep-learning – Nlp text mining ,Nlu , Nltk ,spacy, topic modeling LDA, TensorFlow ,Karas .CNN,

Statistical Methods: predictive analytics, Exploratory data analytics, inferential stats and hypothesis testing. ***Data-Base Knowledge:***-Sql, Pg-Sql, Mongo-db.
Data Visualization tools and Techniques: - Tableau, Power-Bi, Matplotlib, ggplot2 , Plotly.
Analytical Skill: financial analytics, predictive analytics. Stock price predict.

Certifications:

- Machine Learning with python by IBM please click this link
- Python for Data science please click this link
- Data analysis with python please click this link
- Google analytics for Beginner and Advance
- Google Digital marketing Validation link ID -KGJ YPV NT2
- Google Cloud Certifications
- Amazon Aws Certifications
- Data Camp Certifications

PROJECTS

Project 1- Text analysis Using machine learning:
Tools and Techniques Used: - Spacy, Nltk, Jupiter notebook. Beautiful soup

Objective – Is to find-out what type of text and sentences were used in comment and rating sections and consumer reviews. Beautiful soup is used to scrap web data, The Data has been pipelined through web, process taken to clean the data by tokenizing sentence into bags of words, removing stop words, normalizing word and after Vectorizing using tfidf technique performed and lemmatization techniques used.

Project 2- Naive Bayes Spam ham email message classification:
Tools and Techniques Used: - Python Jupiter, naïve bayes, nltk, TfidfVectorizor

The objective of this project is to identify and classify spam and ham messages, from and email and categories into another category .text is labeled as message and relative frequency . and text normalized and converted into word form to extract word , tfidf is used to capture frequency of each word . with prediction and evaluation with 98 % accuracy model predicts on train data test score is 95%.

Project 3- Fake News identification:
Tools and Techniques Used: - python Jupiter, feature extraction text, passive aggressive classifier

The label data taken which have real and fake news in advance, we already have feature extraction text which we employed in stop the reaping words. In term frequency vectorizer we categorized our data into train test in transformed manner. We used passive aggressive classifier which accuracy score is 93% means our of real or fake news it correctly predict at 93% accuracy. Rest either true negative or false positive.

Project 4 - Detecting Parkinson disease with python
Tools and Techniques Used: - Xgboost , minmax scaler, confusion matrix

Parkinson's disease is a progressive disorder of central nervous system affecting movement, stiffness and tremors, it is chronic and no stage of cure yet. It is a neurodegenerative disorder affecting dopamine production in human, we used Xgboost to accurately detect the disease, dataset has 24 columns. We extracted the features and stored them in features variable except the status and out of 195 data point (rows) our model correctly predicts test accuracy at 94.87%
Test data taken 20% at 39 data point 31 having disease correctly predicted and 6 having not, and true negative is 1 and false negative is 1.

Project 5- Color detection python project

Its Color detection or identification of pixel. We already have a color dataset which contains 865 different colors RGB and Hex value, it's a Computer vision open cv project , image recognition where each pixel of 256 color cell is represented 16.5 million different ways. To represent color. Only we created function to identify color-pixel , and its identifying color pattern.

Project 6 -(Full Stack Web Developer):

I developed a Puppy web app just focused on functionality, I added functionality such as user will have its own profile picture, used Bootstrap to create popups , it has a login page and beautiful looking Registration page. User can able to do, when click on website user can register on web page. Added functionality like user authentication, email and password, user also can create a blog post. After login to its id. And I also added info about my company, and my webpage also have about page, and user can update user name, email, and profile picture on this project.

Project 7 -(Full Stack Web Developer Created a Mobile Shopee E-commerce Website using php and MySQL):
I created Amazing Mobile Shopee website using MySQL and php, website is created right from html templet, and convert that into php, and added all these product using MySQL data base. Its front and backend website process. Also created add to cart feature and how to change product price features, in shopping cart list , not only customer can add product in shopping list it can also add to Wishlist. And also used Owl carousel and added different product using data base, how to

filter product using Brand, and how oop(object oriented programming) is helpful in building project. Also used php partial files.
Also used git technique to update while making my page. Product used node js, css, scss, using Bootstrap created responsive, also used Font awesome icons to our project, cdn.js for jQuery. Used myphpadmin to connect my database.

Extra-Curricular Activities- Hobbies and Interests

Hobbies: Learning language, Netsurfing, hiking, listening music, gardening, love adventure ride, Sports lover.

Interests: Research interests, Technology.

References : Linkedin link

- **Sowjanya V**
- **Sharat Manikonda**
- **Nitin Mishra**