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KARUNYA HALOI

SUMMARY

Gold Medallist from Bangalore University, seeking a full-time position in the field of Data Science where I can utilize my knowledge to provide end-to-end solutions beneficial for the organization.

TECHNICAL SKILLS

- Data Analysis Skills: Lidar, QGIS, and ArcGIS, Terra maps creation, Visualization, Statistics
- Languages and Libraries: Python, NLTK, Keras, Sklearn, Matplotlib, NumPy, Pandas, seaborn
- Proficiency in Natural Language Processing, Deep Learning, Machine Learning

WORK EXPERIENCE

MACHINE LEARNING INTERN, RUBIXE

August 2020 – present

Currently Working as a machine learning INTERN for the companies ongoing projects in the related to fields like

- House price prediction
  - House price prediction using different data analysis, data visualization and regression techniques
  - Models used: XGBRegressor, gradient boosting regressor, random forest regressor
- Heart disease prediction
  - Creating a model to find out whether or not a person has heart disease
  - Models used : Logistic Regression, SVM with grid search, KNN with parameter tuning, DecisionTree with grid search CV, RandomForest with GridSearchcv, Naïve Bayes Bernoulli, XGBoost
- Cell phone price range

LIDAR ENGINEER, NAKSHA TECH PRIVATE LIMITED

Feb,2018 – dec, 2019

Worked as Data Engineer in Pythonic Data Cleaning with Pandas and NumPy for Geospatial data obtained by LIDAR IMAGING TECHNIQUES which enabled us to

- Dealt with Satellite and Lidar image Classifications
- Used MicroStation Software and Lidar related tools for Classification
- Involved in Powerline Classification, Ground Classification and Urban Areas Feature Classification Projects

EDUCATION

YEAR	DEGREE	UNIVERSITY/ BOARD	GPA/%
2015 - 2017	Master of Science (Geography)	Bangalore University	8.21/10.0
2012 - 2015	B.A (Geography)	Cotton University	71.3%
2012	HSC(XII)	CBSE board	87.2%
2010	SSC(X)	CBSE board	8.2/10.0

PROJECTS

➢ **Restaurant Revenue Prediction**

- Prediction of restaurant revenues using different Regression Techniques
- Finding a mathematical model to increase the effectiveness of investments in new restaurant sites
- Technology Used: Random Forest Regression, XGboost Regressor

➢ **Pima Indians Diabetics Prediction**

- Created a model that diagnostically predict whether or not a patient has diabetes
- Used the bar graphs and heatmap to study the features, worked on missing values and label encoding for string values. Used SMOTE for the imbalanced dataset to get better accuracy
- Technology Used: Logistic Regression, Random Forest, KNN, SVM, XGBoost

➢ **Twitter Sentiment Analysis**

- Determine the sentiments of Tweets
- Analysis of text data. Performed text data pre-processing. Use of Feature Engineering for converting text data to features
- Technology Used: SVM, NLTK, CountVectorizer, TFIDF Vectorizer,Word2Vec, BERT, LSTM

CERTIFICATIONS

- Datamites - Certified Data Scientist (May'20)
- DataCamp - Python for Data Science (Nov'19)
- GIS Intermediate Certification on QGIS 2.10.1, QGIS 2.18 and ArcGIS (Oct'17)

RESEARCH AND PUBLICATIONS

➢ **Impact of Climate Change on tea production in Assam**

- Published in: 2017 UGIT 5th International Conference on Geo-spatial Technologies for Urban Forest and Climate Change-
- Pathway to Sustainable Development
- Developed a digitised map with all the features labelled as per the coordinates to show how the Infrastructures and
- Economic development is trending in Kengeri ward of Bangalore

- The map was created with the help if GIS technology. It showed the percentage of development and work going on each group of features and how future development can be conducted based on the study / research.

AWARDS

- Awarded Gold Medal for outstanding academic performance in Bangalore University (2017)