Rajdeep Rajan Karpe

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Dublin, Ireland ◊ Eligible to work in Ireland for long-term

SUMMARY

- Data Scientist enthusiast pursued **Masters in Data Analytics** from National College of Ireland
- Proficient in **Machine Learning techniques** with proven success in **building algorithms & predictive models** by **interpreting and analyzing data** to solve real time industry problem
- Proficient in delivering data in form of visuals with **Data Visualization** and **Statistics** to drive success business solutions
- **Confident communicator** with the ability to circulate information in a way that is clear, efficient, and beneficial for end users
- Created Data Warehouse using **Informatica PowerCenter** to gain insight from raw data to predict business information which will boost gains for organization
- Developed a full stack **Car Price Prediction** project and **deployed on Heroku using python flask and Github**

EXPERIENCES AND ACHIEVEMENTS

CODIONICS PVT LTD. **Jun 2017 - Apr 2018**
Software Developer

- Developed an android application for managing household chores and employees' payments
- Created GUI in Android and provided connectivity to back-end database
  Tools: JAVA, SCALA, Android SDK, Eclipse, GitHub

PROJECT EXPERIENCE

Translator for Under Resource Language using Neural Machine Translation

- Introduces a method named **Neural Machine Translation** which is a Natural Language Processing approach
- Used **TensorFlow with Seq2Seq Modelling using Encoder and Decoder Framework**
- Research provides **78% accurate** translation of words
- Implemented in Jupyter notebook using Python, Natural Language Processing, Deep Learning

GitHub: **My_Personal_Projects/Word Level Translation to Uder Resourced Language at master · RajdeepKarpe22/My_Personal_Projects (github.com)**

Car Price Prediction (Regression problem)

- To predict car price based on several features for reselling
- Used **Linear Regression** as a base performer and **Random Forest** for boosted results
- Deployed on **Heroku** to accessible to everyone
- Technologies used are Python, Flask, Heroku, GitHub, etc.
- Provides **90 % accurate price for Car reselling**

GitHub: **https://github.com/RajdeepKarpe22/Car_Price_Prediction**
Heroku : **Document (carpricesellingrajdeep.herokuapp.com)**

Advanced House price Prediction (Regression problem)

- Performed advanced Exploratory Data Analysis
- Used multiple Machine Learning Regression algorithms to build predictive model
- Implemented in Jupyter notebook using Python Programming

- Provides **84% accurate house price** with just advanced Exploratory Data Analysis
- **GitHub:My_Personal_Projects/AdvancedHousepredictionatmasterRajdeepKarpe22/My_Personal_Projects (github.com)**

Stock Price Increase or Decrease Prediction based on Sentiment Analysis (Natural Language Processing and Classification problem)

- Predicts whether stock price is going up or down based on news paper headlines for 25 different newspapers for last 2 years
- Performed **Sentiment Analysis** technique from Natural Language Processing
- Prevents data redundancy and focuses on providing knowledge
- Implemented in Jupyter notebook using Python Programming, Natural Language Processing
- **GitHub: My_Personal_Projects/Stock-prediction_SsentimentAnalysisatmaster RajdeepKarpe22/My_Personal_Projects (github.com)**

Data Warehouse Development

- Developed a data warehouse consisting of details about applications available on Google Play Store and Apple Store as well as Twitter Sentiment Scores
- Data analysis through visualization using Twitter's sentimental score mapped with Google's play store and Apple store reviews
- Based on available data ETL operations are performed using **Informatica PowerCenter** and R programming and queries are visualized using Tableau
- This project was completed using software's like **Informatica PowerCenter, R Studio, Tableau**, etc.

EDUCATION

National College of Ireland **Sept 2018 to Feb 2020**

Data Analytics major

Modules: Machine Learning Development, Statistics for Data Analysis, Data Visualization, Data Mining, Research, Data Warehousing and Business Intelligence

TECHNICAL SKILL SET

❖ Databases	:	SQL, MYSQL, MongoDB
❖ ETL/Data warehouse	:	Informatica PowerCenter, Microsoft SSIS
❖ Programming Language	:	Python for data science
❖ Reporting/Visualization	:	Tableau, Python (Matplotlib, Seaborn, Cufflinks)
❖ IDE and tools	:	Jupyter Notebook, Pycharm, PySpyder
❖ Machine Learning	:	Exploratory Data Analysis, Regression, Classification, Clustering, Natural Language processing
❖ Frameworks	:	TensorFlow, Keras, Flask API etc.
❖ Cloud Deployment Platforms	:	Heroku, AWS

CERTIFICATION

- Python Bootcamp (2020)
- Python for Data Science and Machine Learning (2020)
- SQL Essentials (2020)
- Machine Learning (2020)
- Deep Learning (2020)
- GITHUB Basics (2020)