Zafar Mahmood Waris

Data Scientist | Software Engineer

Email: zmwaris0@gmail.com
LinkedIn: // zafar-waris-b65391125/
8789365851
zmwaris1.github.io
GitHub:// zmwaris1
Location: Patna

WORK EXPERIENCE AND ACHEIVEMENTS

Graduate Engineer Trainee
Endurance Technologies Pvt. Ltd
08/2020 - 03/2021

Tags: Auto Gauging Machine, VMC, Report Preparation, Auditing

CAE Engineer ⬈
Simulation Lab
07/2022 - 09/2022

Tags: Electric Vehicles BTMS, Ansys Workbench, Ansys Fluent

Software Engineering Virtual Experience ⬈
JP Morgan Chase & Co
10/2022-10/2022

Tags: Software Development, Python, Nodejs

Data Analytics Consulting Virtual Internship ⬈
KPMG
10/2022-10/2022

Tag: Data Analytics, Power BI, MS Powerpoint, MS Excel

PROJECTS

Learning Log - Web App with deployment
Tags: Django, HTML, CSS, Heroku, SQL

- An online journal system that lets you keep track of information you've learned about particular topics.
- Built the app using Django web framework.
- Wrote templates using HTML and Bootstrap
- Made multiple pages and connected to perform various tasks of the application.
- Made a login page and used decorator function to make login necessary.
- Secured the app so that data leakage doesn't happen.
- Deployed the app on heroku using heroku CLI.

Customer Segmentation using K-means

Tags: K-means, Unsupervised learning, Silhouette and elbow score

- Built a clustering model using **K-means** to identify major customer segments on transaction dataset.
- Obtained optimal number of clusters using **Silhouette score, elbow score** and visual inspection of Dendrogram resulting from Hierarchical Clustering.
- Generated optimal customer clusters which could be further used in various use cases like customer targeting, marketing campaigns, etc.

Flight fare prediction

Tags: Regression, Ensemble learning, RandomizedCV

- An app to predict future flight prices based on regression.
- Performed basic EDA to get the idea about features and label dependency.
- Performed Hyperparameter tuning for Random Forest using RandomizedCV.
- Compared RMSE and R2 Score of different models and finalized a model with best accuracy.

TECHNICAL STACK

- **Data Science/Machine Learning/Deep Learning**
  Python, Data Preprocessing, Data Visulaization, Supervised Learning algo, Unsupervised Learning algo, ANN, CNN, RNN, EDA, Feature Engineering

- **Languages**
  Python, SQL, NoSQL, HTML, CSS, JavaScript(Basics)

- **Software Frameworks and Libraries**
  Numpy, Pandas, Sickit-Learn, Matplotlib, Seaborn, Tensorflow, Keras, Django, OpenCV, NLTK, Hugging Face, BeautifulSoup, Scipy

- **Tools and Platforms**
  Power BI, Jupyter, GIt, Colab, Kaggle, Netlify, Git, AWS, Docker

- **Mathematics for ML and DL**
  Algebra, Calculus, Probability, Statistics, Matrices

- **Databases**
  PostgreSQL, MySQL, MongoDB

- **Blockchain**
  Ethereum, Blockchain, Solidity, RemixIDE, Metamask, Brownie, Hardhat, Cryptocurrency, NFTs

CERTIFICATIONS

Scientific Computing with Python - freeCodeCamp(10/2022)

Machine Learning with Python - freeCodeCamp(10/2022)

BADGES

Machine Learning Badge (2022)
LinkedIn

Python Badge (2022)
LinkedIn

EDUCATION

B.Tech - Mechanical Engineering
GNIOT, Greater Noida
2015 - 2019, 68.8%

XII- Higher Secondary
Woodbine Modern School
2014-2015, 79.8%

COURSEWORK

Data Structures and Algorithms
System Design
Cryptography
Operating Systems

SOFT SKILLS

Fast Learner, Leadership, Optimistic, Communication Skill, Time Management