Sambit Pritam

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Professional Data Scientist with 1.11 years of experience in Data Science and Analyticslooking for Data Science/Artificial intelligence/Deep learning/Computer vision/NLP Engineer jobs only

Work Experience

- **Data Scientist at Tata Consultancy Services** **Jan 2017 -Present**
  - Project Title: NID_CT Analysis Feb 2020 -Present
    - Role: Data Scientist
    - Tools & Frameworks: Jupyter Notebook, Google Colab, Azure Machine Learning Studio, Pycharm IDE, REST api, Flask Framework
    - Key Contributions
      - Involved in the entire data science project life cycle and actively involved in all the phases including data collection, data cleaning, developing models, validation, visualization with large data sets of structured.
      - Implemented Machine Learning, Deep Learning and Neural Networks algorithms using TensorFlow, Keras and designed Prediction Model using Data Mining Techniques with help of Python, and Libraries like NumPy, Matplotlib, Pandas, Scikit-learn for visualizing.
      - Generated various Predictive models by using different machine learning frameworks and tuned the best performance model using Microsoft Azure Databricks and Data Lake.
      - Worked on imbalanced datasets and used the appropriate metrics while working on the imbalanced datasets.
      - Performed Data Cleaning, features scaling, features engineering using pandas and NumPy packages in python and build models using deep learning frameworks.
      - Extensively worked on various classification and regression techniques such as SVM, Random Forest, Decision Tree, ANN Model, Regularizations, Dimensionality reduction, Pattern matching.
      - Have worked on MS SQL, Power BI, Data Analytics and Statistics for better understanding of data.
      - Implemented Text Analytics and NLP modelling for Email Classification.
    - Key Achievements:
      - Reduced the blockage day count by 17 days by detecting the blockage type with 85% accuracy.
      - Perfect analysis of SLA (helping the Customer to prepare for the future releases)

- **Testing Analyst at Tata Consultancy Services** **Jan 2017 -Feb 2020**
  - Project Title: Original Equipment Manufacturer
    - Tools & Frameworks: Windows Testing Technology, SAP MST
    - Key Contributions
      - Functional testing in Digital Operating Center (DOC) which caters GlobalBusiness for Microsoft OEM operation.

Professional Summary

- Experience in **Machine Learning algorithms** like Linear Regression, Logistic Regression, KNN algorithm, Support Vector Machine (SVM), Decision Tree, Ensemble Techniques like Random Forest, AdaBoost, XGBoost, K-Means Clustering.
- Skilled in Minimizing the **cost function-based algorithms** like: Gradient Descent, Stochastic Gradient Descent, Mini-Batch Gradient descent.
- Skilled in **libraries** like Numpy, Pandas, Matplotlib, Seaborn, Scikit Learn, Keras.
- **Data Visualization techniques** with help of Matplotlib, Seaborn.
- Skilled in **Feature Engineering** using Python: Feature Selection, Missing Value handling, Outlier's handling, Data transformation, Describing the data using Python libraries like Numpy, Pandas and Matplotlib
- Deployment of Machine Learning and Deep Learning Models in clouds Like Azure
- Good knowledge of **Deep Learning** (DL) and hands-on with Neural Network Architecture, Loss Function, Cost Function, Optimizers, Artificial Neural Networks (ANN), Convolutional Neural Networks (CNN) and Recurrent Neural Networks (RNN)
- Good knowledge of **Natural Language Processing** (NLP) techniques like tokenization, stemming, lemmatization, Text Analysis, TFIDF Matrix and word2vec.
- Basic understanding of **Computer Vision Techniques** like Image pre-processing, Image Segmentation, Object Detection, Object Recognition
- Good Knowledge of **linear algebra** and dimensionality reduction algorithms like PCA
- Experience of using Django and Flask Framework.

Skills

- **Programming languages** – Python
- **Python libraries** – Jupyter Notebook, Numpy, Pandas, Matplotlib, Scikit-Learn, Seaborn, OpenCV, TensorFlow, Keras, Pytorch
- **Computational skills**- Machine learning, Deep learning, OpenCV, NLP.
- **Machine Learning Algorithms**: Linear Regression, logistic Regression, KNN, Decision Tree, Random Forest, SVM, PCA, Grid SearchCV,K Means Clustering, Pipelines.
- **Deep Learning:** ANN, CNN, Architectures (VGG16, InceptionNet, MobileNet), Object detection and Localization algorithms like Sliding Window Detection, Yolo Algorithm.
- **Cloud Platforms:** Microsoft Azure (Azure Databricks and Data Lake) & AWS
- **Visualization Tools and Libraries**: Basic understanding of Matplotlib and Seaborn
- **Others**: Dockers, Azure Machine Learning Studio, Excel.

Education

- Bachelor of Technology (Bachelor's Degree) in M.E. from Gandhi Institute of Engineering and Technology, Gunupur (2016)

Professional Certification and Courses

- Advance Data science course with hands-on Google-Colab from Netzwerk Data Science Academy as ISO certified institute- year 2020
- Certificate for attending the Online Workshop on Accelerated Data Science - February 2021
- Microsoft Certified: Azure AI Fundamentals - December 2021 - No Expiration Date - Credential

Achievements & Extra-Curricular

- Attended workshops on “Microsoft Azure Virtual Training Day: AI Fundamentals”.
- Attended workshop on “Power BI Training Program”.
- Achieved award for cricket, football, badminton and carrom competition at school, college, and corporate level
- Interpersonal Abilities: Problem Solving, Decision Making, Excellent Communication, Strong interpersonal skills, Team Player, Self-Starter.

Leisure Interest

- Playing football & Reading blogs