MEHADI HASSAN SAKI

GOOGLE CERTIFIED
PROFESSIONAL DATA ANALYST

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PROFILE

Data Scientist and Machine Learning Researcher with extensive experience and expertise in SQL, Python, TensorFlow, and Business Intelligence. Strong analytic abilities and a commitment to lifelong education. Committed to delivering transformative outcomes for forward-thinking organizations.

EDUCATION

Jahangirnagar University

2019 - 2021 | Master's is Applied Statistics and Data Science with thesis. Link

Khulna University of Engineering & Technology Khulna | 2007-2011

2007- 2011 | Bachelor in Mechanical Engineering

EXPERIENCES

January' 2023

Somikoron AI
Data Scientist (Remote part-time)

- Spearheaded a Natural Language Processing project, leveraging advanced techniques for data cleaning and processing
- Developed a robust data model aligned with project requirements, utilizing Python, NTK, and ML algorithms
- Contributed to the creation of a cutting-edge recommendation system
- Employed topic modeling methodologies to extract meaningful insights and enhance data analysis capabilities

October' 2022

The Spark Foundation
Intern in Data Science and Business Analytics

- Analyse Data and make a Data model as per the requirement
- Work on supervised, and unsupervised learning
- Exploratory data analysis by BI tools
- Use python, ML algorithm, and Tableau

2016- present

Walton Hi-Tech Industries Ltd
R&D Engineer

- Conducted in-depth analysis of processes to identify areas for increased productivity and reduction in process loss, leading to significant improvements as a Process Development team leader
- Utilized market feedback and after-sales service data to effectively analyze and prepare data models, contributing to enhanced decision-making processes
- Performed DFMEA (Design Failure Mode & Effects Analysis) and root cause analysis of products and processes to drive quality improvements
- Implemented strategic actions based on findings to optimize quality and ensure streamlined operations.

SKILLS

Specialties

- **ML Techniques:** Proficient in Classic and advanced machine learning methods, like neural networks, for solving complex problems.
- **Math & Stats:** Strong grasp of math and statistics for accurate modeling and predictions.
- **Data Analysis:** Skilled in analyzing data to extract valuable insights and drive decision-making.
- **Programming:** Proficient in Python/R for creating and fine-tuning ML models.
- **Visual Communication:** Ability to present complex ideas visually for easy understanding.
- **Problem Solving:** Strong problem-solving skills to tackle real-world challenges.

Technical Skills

- Data Cleaning and Preprocessing
- Data Analysis
- Statistical Analysis
- Machine Learning
- Python/R Programming
- Data Visualization (Matplotlib, Seaborn, Tableau)
- SQL
- Predictive Modeling
- Natural Language Processing (NLP)
- Deep Learning (Neural Networks): TensorFlow and PyTorch
- Model Optimization
- Research Methodology
- Statistical Inference

PROJECTS

Recommendation System

July' 2023 - On going

- Book recommendation using content-based recommendation
- Data collection by scraping and OCR
- Cleaning and mapping
- Use Python, ML algorithm, Scikit learn

Topics Modeling

Aug' 2023 - On going

- Topics modeling to find out topics from scientific research paper
- Sentiment analysis
- Data collection by scraping, text extraction, and OCR
- Data Cleaning and processing
- Use Python, LDA algorithm, Scikit learn

Sentiment Analysis

April' 2023

- Sentiment analysis from Customer review data
- Data collection by web-scraping
- Data Cleaning and processing
- Use Python, NLTK, and ML model

https://www.kaggle.com/code/mehadihassansaki/sentiment-analysis-from-customer-review

Bike Share Data Analysis

Feb' 2023

- Bike sharing Data analysis from Customer use data
- Data collection by Pubic dataset
- Data Cleaning, processing and store in SQL
- Use Python for data analysis

Sales Forecasting

April' 2022

- Sales data forecasting from historical data
- Data collection from a manufacturing industry
- Data Cleaning, processing, and feature engineering
- Time series analysis using Python, classical algorithm, and deep learning

https://github.com/mehadisaki/Sales-Forecasting-model-development-

LANGUAGES

English   Professional

TRAINING

Bootcamp on Data Science
Institute: Somikoron AI | Year: 2023 (3 days)

Google Data Analytics Professional Certificate
Institute: Google | Year: 2023

Web Scraping in Python
Institute: DataCamp | Year: 2023

Introduction to Natural Language Processing in Python
Institute: DataCamp | Year: 2023

Building Recommendation Engines in Python
Institute: DataCamp | Year: 2023

Introduction to Tableau
Institute: DataCamp | Year: 2022

Machine Learning A-Z™: Hands-On Python & R In Data Science
Institute: Udemy | Duration: 48 hr | Year: 2022