Abdullah Al Mahmud Khosru

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⌨ MKhosru

in Mahmud Khosru

📍 Hauptstrasse 91, 91054, Erlangen

🔗 Website

📇 Profile

Passionate about data analytics, machine learning, and AI also dedicated to mastering Python, SQL, Statistical Modeling, and Deep learning. Responsible, motivated, quick-learning individual proficient in enhancement, implementation, testing, and debugging.

🎓 Education

04/2024 – present
Erlangen, Germany

M.Sc. in Artificial Intelligence
FAU Erlangen-Nürnberg
Pattern Recognition | Deep Learning | Data Engineering | Business Intelligence | Computer Vision | Cognitive Neuroscience |

01/2016 – 01/2020
Dhaka, Bangladesh

B.Sc. in Computer Science and Engineering
International University of Business Agriculture and Technology
CGPA achieved 1.94 (German Grading Scale).
Data Structure & Algorithom | SQL | Java | OOP | Software Engineering | Calculus | Numerical mathematics | Linear Algebra |

💼 Work Experience

04/2020 – 06/2023
South Carolina, USA

Data Analyst (Remote)
Turnkey Audience ⧉
Task:
- Data preparation & analysis
- Data Scrapping & Data mining
- Data visualizations (Power-Bi)
- Email campaign
- Real-time Audience Tracking

🧠 Skills

Programming Languages
Python, SQL, R, Javascript, VBA

Data Analytics
Pandas, NumPy, Matplotlib, Plotly, Seaborn, Qlik Sense, RapidMiner, MS Excel, PowerBi

Machine Learning and AI
Sklearn, PyCaret, NLTK, PyTorch, TensorFlow, Keras, OpenCV, Hugging Face

Databases
SQL Database (MySQL), Microsoft Access

🖥 Thesis

The Rise of Big data Clustering on Cloud Computing: More Flexible or Not ⬀

📂 Projects

Analyzing the Relationship Between Current Health Expenditure and GDP Growth in S-America ⬀
Developed an automated Python pipeline to analyze the relationship between health expenditure (% of GDP) and economic growth across 12 South American countries (2014–2023). The project involved extracting, cleaning, and reshaping World Bank data, storing results in CSV and SQLite formats. Analysis revealed a weak positive correlation, suggesting health expenditure influences economic performance alongside other factors. Tools: Python (pandas, requests, sqlite3), ETL pipeline design and data visualization

Market Basket Analysis using Apriori algorithm ⬀
Leveraged the Apriori algorithm and Python for Market Basket Analysis, unveiling product associations and customer purchasing patterns. Resulting insights empowered targeted marketing and sales strategy enhancements.

Cat vs. Dog Image Classification System ⬀
Crafted an accurate image classification system using Python and TensorFlow to discern cat from dog images. Employed advanced CNN techniques, optimizing for exceptional accuracy. Showcased expertise in deep learning and TensorFlow for practical image classification challenges.

Interactive Sales Dashboard Development with PowerBI ⬀
Developed an interactive sales analysis dashboard using Power BI, facilitating exploration of sales data by product categories, budgets, forecasts, and periods. The dashboard empowers strategic decision-making through actionable insights.

Online Bus ticket Management system ⬀
Developed a web application for Online Bus Ticket Management System, integrating HTML, CSS, JavaScript, php, and SQL Database (MySQL) for seamless booking, management, and tracking. Achieved user-friendly interface and secure payment gateways for enhanced user experience and transactional safety.

🌐 Languages

English
B2(Full Professional Proficiency)

Bangla
Native language

German
A2(Elementary Proficiency)