Md Nahin Hossain Uday

Data Analyst | Data Scientist

Contact:

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Portfolio site | Linkedin

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Professional Summary

A highly motivated Data Analyst with hands-on experience in data analysis, machine learning, and application development. Adept at working in collaborative environments and delivering data-driven insights. Proficient in Python, SQL, and modern data visualization tools, with a strong academic foundation and a commitment to continuous learning.

WORK EXPERIENCE

Data Analyst Research Assistant

University of Wuppertal, Wuppertal, Germany

Sep 2024 - Present

- Assisted in analyzing and managing large datasets for academic road network research.
- Applied statistical methods and data visualization to present research findings.
- Developed a web module as a user interface for better interactive visualization.

Data Scientist (Work Student)

Aptiv, Wuppertal, Germany

May 2023-Oct 2023

- Design an interactive user module by integrating data collected from ADAS cemeras.
- Developed a PostgreSQL database for efficient data storage and retrieval.
- Built a Django-React application for visualizing real-time data insights.

EDUCATION AND TRAINING

Masters in Computer Simulation in Science
University of Wuppertal, Germany
Oct 2022 - Present
Bachelor in Computer Science and Engineering
American International University-Bangladesh, Bangladesh
Jan 2017- Nov 2020

Technical SKILLS

- Programming languages: C++, Python, Matlab
- Python Libraries: NumPy, Pandas, Scipy, Scikit-learn, TensorFlow, PyTorch, Matplotlib,
- Web Development: Django, React JS
- Databases Management: MySQL, PostgreSQL, Oracle
- Operating System: Linux, Windows,
- Tools: Docker, Git, Microsoft Office

LANGUAGE SKILLS

- Bengali: Native
- German: A1 (A2 in progress)
- English: B2

Certificate

- Introduction to Big Data - Coursera
- Neural Network and Deep Learning - Coursera
- Internet of Things – AIUB Continuing Education Center

Projects

- PSO Neural Network (2019): https://github.com/NH-Uday/pso_neural_network
- Renewable Powerplant Data Analysis (2023): https://github.com/NH-Uday/Renewable-Powerplant-Data-Analysis
- Business Data Analysis with C++(2024): https://github.com/NH-Uday/Business-Data-analysis-with-C-

Research Experience

From Nature to UAV - A Study on Collision Avoidance in Bee Congregation
DOI: https://doi.org/10.5815/ijisa.2024.03.06
2018 – 2020

- Led a team of 3 in collecting and annotating video data of flying bees.
- Analyzed collision avoidance behaviours and proposed a UAV collision avoidance model.

Hobbies

Reading, Traveling and Football

Recommendations

Stefan Becker Manager

ASUX team manager at Aptiv
Email becker.stefan@aptiv.com