RESUME OF MD. USMAN GANI JOY

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EXPERIENCE

.Net Web Developer (Intern) - Alchemy Software Limited, Chittagong, Bangladesh

November, 2020 – January, 2021

- Gained foundational expertise in .NET Web API development, implementing core functionalities and enhancing backend efficiency through optimized API interactions.

Machine Learning & AI Consultant – Freelance (Contractual)

February 2021 – Present

- Advised on AI projects, data-driven insights and predictive model applications.

Machine Learning Engineer - Automation LAB, Chittagong, Bangladesh (Contractual)

January, 2023 – Present

- Developed and optimized machine learning models for clients in diverse industries.

EDUCATION

Master of Science (M.Sc.) in Computer Science & Engineering - East Delta University
CGPA: 3.83/4.00 | 2022-2024

Bachelor of Science (B.Sc.) in Computer Science & Engineering - Port City International University | CGPA: 3.86/4.00 | 2016-2020

TECHNICAL SKILLS

Programming Languages: Java, JavaScript, Python

Frameworks & Tools: React, ASP.NET Core, Scikit-learn, TensorFlow, Keras

Databases: SQLITE, PostgreSQL

PUBLICATIONS

1. Joy, U.G., & Park, S.-B. (2024). Big Data-Driven Hybrid Model for Enhancing Streaming Service Customer Retention. Published in IEEE Access.

URL: https://ieeexplore.ieee.org/document/10530632

2. Joy, U.G., & Rahman, M.M. (2024). Efficient Time Series Forecasting with Neural ODEs: Integrating the Adams-Bashforth Method for Energy Consumption Prediction. (To be submitted for publication)
* This paper introduces a novel hybrid model integrating Neural ODEs with the Adams-Bashforth solver, focusing on enhancing the accuracy and efficiency of energy consumption forecasting.

3. Joy, U.G., & Rahman, M.M. (2024). Adaptive Active Learning with Dynamic Pseudo-Labeling and Diverse Sample Selection. (To be submitted for publication)

* This paper explores innovative techniques for efficient model training with scarce labeled data, leveraging a semi-supervised approach.

PROFESSIONAL ACTIVITIES

IEEE Access Reviewer (2024 – Present)

URL: orcid.org/0009-0003-9498-3828

CERTIFICATIONS

- Google IT Support Specialization (Coursera, 2020) | Credential: shorturl.at/yFGSW
- Cross-Platform Mobile App Development (Govt., 2021-2022) | Credential: shorturl.at/QHGT4
- Think in a Redux Way Course (2023) | Credential: shorturl.at/2pLXK
- PostgreSQL for Everybody Specialization (University of Michigan, 2023) | Credential: shorturl.at/ptHMW