

Abu Sayem Md Habibullah

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Education

BE. Computer Science, Sep 2018 – July 2022

Yunnan University (YNU), Kunming, China

Thesis: Cross Border E-Commerce Solution (B2B & B2C)

MEng Computer Science, Sep 2022 – Ongoing

Xidian University (XDU), Xi'an, China

Degree Grade: 91%

Research: Stock Market Price Forecasting Using Deep Reinforcement Learning Techniques (FinDRL Approach)

Experience

Software Engineer | ML Engineer | Autofficina Internazionale s.a.s | Remote | May 2021 – Ongoing

- SaaS application offering services: Customer appointment management, Marketing system, Dynamic page builder, URL shortener, and Telematics implementation to enhance business operations.
- Documented improvements, highlighting significant reduction in data size and storage. Reported a 33.33% improvement in storage efficiency.
- Successfully increased customer satisfaction by 10% by building a Deep Neural Networks model to provide solutions for 14 vehicle problems via our company's services.
- Improved server query response by 15% through engineering best practices with Microservices architecture, DCS, and CI/CD pipeline.

IT Team Instructor | BreezeBangladesh LTD | Remote | Jan 2021 – Apr 2023

- I offered technical assistance to the IT team beyond established working hours to utilize my expertise to troubleshoot and resolve customer issues.
- Develop customer trust by evaluating the criteria and optimizing customer guidance.
- Software development pipelines through CI/CD, increasing the development team's speed by 20%.

Projects

Cross Border E-Commerce Solution (B2B & B2C) | Feb 2022 - Jul 2022

- Integrates supply chain, and government logistics, enabling efficient product delivery with robust Microservice architecture.
- Tech: Docker, Kubernetes, MongoDB, Redis, PostgreSQL, TS, and Python.

Smart Charging Station Architectural Design and Development | 2021 – 2022(7th Semester)

- Tech: ReactJS, Arduino (ESP32), C++, and PostgreSQL

Researches

Stock Market Price Forecasting Using Deep Learning Technique.

- Financial Deep Reinforcement Learning (FinDRL) - Ongoing.
- Unveiling Tumor Heterogeneity with Single-Cell RNA-Seq and Machine Learning Approaches.
- Creating & Backtesting new trading strategies to understand the market trend using Pattern Recognition.
- Research on the Impact of Fiscal and Tax Policies and Social Responsibility on the Financial Performance of Listed Chinese Agricultural Companies.

Skills

Language/Frameworks/Tools/Concepts

- C++, Python, and TS
- Docker, Kubernetes, KubeFlow, AWS, HTTP, and gRPC Protocol
- NodeJs, ReactJs, TensorFlow, PyTorch, MLflow, and Deep Learning