

Md Nur Amin Sifat

✉ mdnuraminsifat380@gmail.com | 📞 +8801758809212 | [M nastech.medium.com](https://medium.com/@nastech) | [in linkedin.com/in/nur-amin-sifat](https://www.linkedin.com/in/nur-amin-sifat)

🐙 github.com/GenesisBlock3301 | leetcode.com/GenesisBlock3301 | [k kaggle.com/genesisblock3301](https://www.kaggle.com/genesisblock3301)

📍 Dhaka, Bangladesh

Professional Summary

Software Engineer with **4 years of experience** in **Backend**, specializing in **Python, GoLang, and JavaScript**. Strong expertise in **microservices architecture, database optimization, and scalable application development**. Passionate about **artificial intelligence**. Hands-on experience with **machine learning, deep learning, and real-world model deployment**. Enthusiastic about **large language models (LLMs)** and their applications in **NLP, automation, and generative AI**. Proven ability to **deliver high-quality solutions within tight deadlines**.

Research Interests

Machine Learning · Deep Learning · NLP · Computer Vision · Drone · Robotics & Perception · LLMs · RAG · Generative AI

Education

Daffodil International University, Dhaka, Bangladesh, BSc in Computer Science & Engineering Jan 2017 – Jan 2021

- CGPA: 3.71/4.0

Skills

- **Programming Languages:** Python | GoLang | JavaScript | C | SQL
- **Machine Learning:** Deep Learning | Computer Vision | Gait Recognition | Feature Engineering
- **Frameworks:** Django | Django Rest API | Go Gin | TensorFlow
- **Databases:** PostgreSQL | MongoDB | Redis
- **Tools:** Git | Jira | Docker
- **Soft Skills:** Effective communication, creative problem-solving, research-oriented thinking

Work Experience

Software Engineer, Brain Station-23 LTD – Dhaka, Bangladesh January 2024 – Present

- Engineered scalable microservices architecture for the Waadaa e-commerce platform, accelerating development speed by **30%**.
- Designed relational database schemas from business use cases to support a catalog of **10,000+ products**, ensuring high data integrity and consistency.
- Optimized query performance, reducing average response time from **690 ms to 2 ms** — a **99.7% improvement** that enhanced customer experience.
- Enhanced CI/CD pipelines to catch more bugs pre-deployment and reduce release friction.
- **Languages:** Python, JavaScript, Golang
- **Frameworks:** Django, FastAPI, Django Rest Framework, jQuery

Associate Software Engineer, Brain Station-23 LTD – Dhaka, Bangladesh April 2022 – January 2024

- Improved TEQ (Ferdia) platform performance, boosting user engagement by **22%** and reducing client onboarding time by **30%**.
- Refactored database access layers, eliminating redundant queries and cutting backend load time by **40%**.
- Developed a Python-based automated testing framework in collaboration with QA, increasing test coverage by **50%**.
- **Languages:** Python, Go, JavaScript
- **Frameworks:** Gin (Go), Django, ReactJS, jQuery

Full Stack Developer, Trillionbits Ltd – Dhaka, Bangladesh July 2021 – January 2022

- Delivered REST API features using ExpressJS and Django, increasing backend reliability and reducing system error rates by **20%**.
- Refactored monolithic legacy modules into reusable components, resolving N+1 query issues and improving backend performance by **35%**.
- **Frameworks:** Django, Django Rest Framework, ReactJS, jQuery

Research Experience

AI & Computer Vision Intern, Intelsense AI – Dhaka, Bangladesh

Jun 2020 – Oct 2020

- Worked on computer vision tasks involving image processing, object detection, and human identification using deep learning techniques.
- Applied Convolutional Neural Networks (CNNs) for improving accuracy in human recognition and gait analysis.
- Gained hands-on experience in real-world applications of AI and contributed to research-driven development workflows.

Projects

Eye Grading Module Web App

- Developed a machine learning-based eye grading module that helps doctors assess eye health based on patient images
- Tools Used: Django Rest API, ML, Reactjs, PostgreSQL

Deep Learning to Predict Human Emotions

- Created a web application for predicting human emotions using deep learning and facial expression recognition
- Tools Used: Python, Django Rest API

Teq - Cloud-Based Coach Company System

- Developed an advanced cloud-based system to automate and streamline daily operations of coach companies
- Improved operational efficiency, customer satisfaction, and profitability through automation
- Tools Used: Python | Go | Django | Django RestAPI

Waadaa - E-commerce Application

- Built a full-featured e-commerce platform to provide seamless shopping experiences for users
- Implemented product catalog, cart management, order processing, and payment integration
- Tools Used: Python | Django | Django RestAPI

Certifications

- **Deep Learning** — Kaggle — *ANN, SGD, Dropout, Batch, Binary Classification*
- **Intermediate Machine Learning** — Kaggle — *Model validation, Feature engineering, Random Forest, XGBoost, Data leakage handling*
- **Intro to Machine Learning** — Kaggle — *Supervised learning, Data Preprocessing, Decision trees, Overfitting, Model selection*
- **Cyber Security and Physical Protection at Workplace (Malware)** — Brain Station 23 — *Malware analysis, Cyber hygiene, Office system protection*
- **A Blockchain-Enabled Distributed Advanced Metering Infrastructure Secure Communication (BC-AMI)** — MDPI — *Blockchain, IoT security, Secure communication protocols*
- **Python (Intermediate)** — HackerRank — *Data structures, Algorithms, Python functions, OOP, File I/O*

Languages

- **English** — Proficient (IELTS Band 6)
- **Bangla** — Native Speaker