

Md Minhazul Islam

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[LinkedIn](#) | [Portfolio](#) | [GitHub](#) |

Professional Summary

Computer Science and Engineering graduate with hands-on experience in AI/ML, data annotation, software development, and machine learning research. Founder of SKO TechLabs, with experience in developing software solutions and leading technology-focused projects. Skilled in Python, TensorFlow, OpenCV, NLP, Computer Vision, and deep learning, with practical experience in AI model training, data quality assessment, and annotation workflows. Experienced in developing AI-driven projects, including grocery detection and sign language translation systems. Passionate about building practical AI solutions and contributing to innovative software and machine learning projects.

Education

University of Liberal Arts Bangladesh (ULAB)

Sep 2022 – 2026

Bachelor of Science in Computer Science and Engineering

Expected Graduation: Fall 2026

Technical Skills

Languages: Python, C, C++, Java, PHP, JavaScript, SQL

AI & Machine Learning: Machine Learning, Deep Learning, TensorFlow, Keras, Scikit-learn

Deep Learning Models: OpenCV, MediaPipe, Natural Language Processing (NLP), Computer Vision

Deep Learning Models: CNN, LSTM, BiLSTM, CNN-LSTM, Transformers, YOLO

Web Development: HTML, CSS, JavaScript, React, PHP, Laravel, Node.js

Data Science & Visualization: Pandas, NumPy, Matplotlib, Seaborn, Power BI, Plotly

Developer Tools: Git, GitHub, VS Code, Jupyter Notebook, Docker

Annotation & AI Data: Data Annotation, Data Quality Assessment, AI Model Training, QA/Quality Control

Projects

Enhancing Retail Checkout Efficiency Through a Hybrid YOLOv8-Based Grocery Detection and Billing System

Oct 2025 – 2026

- Developed an AI-based grocery detection and automated billing system using YOLOv8, Python, OpenCV, and Computer Vision.
- Trained and evaluated multiple YOLO models and selected YOLOv8s based on performance.
- Designed the system to detect grocery items and generate billing information efficiently.

Real-Time Sign Language Recognition and Bangla Sentence Translation

Sep2025 – Present

- Developed a sign language recognition and sentence-level translation system using Python, OpenCV, MediaPipe, LSTM, and Transformer-based models
- Processed hand/pose landmarks for real-time sign recognition and translated recognized signs into Bangla sentences.
- Improved inference speed while maintaining high detection accuracy.
- Applied deep learning techniques for sequential sign language understanding.

AI-Based Traffic Congestion Detection & Prediction with IOT

Jun 2025 – Present

- Currently developing an AI/ML and IoT-based system for real-time traffic monitoring and congestion prediction.
- Working on collecting and analyzing traffic data to identify traffic patterns and congestion levels..
- Exploring and implementing Machine Learning techniques for traffic congestion prediction.
- Developing the system architecture to provide real-time traffic insights for smarter transportation management.

WORK EXPERIENCE

Data Annotation | SupperAnnotate – Remote

Jun 2026 – Present

- Annotated and structured PDF documents for machine learning model training and evaluation
- Performed text labeling, entity tagging, and document segmentation to enhance model accuracy.
- Ensured high-quality annotations by following project-specific guidelines and QA standards.

CEO & Founder | SKO TechLabs

2025 – Present

- Annotated and structured PDF documents for machine learning model training and evaluation
- Performed text labeling, entity tagging, and document segmentation to enhance model accuracy.
- Ensured high-quality annotations by following project-specific guidelines and QA standards.

Research Papers Formater | E-palli Publishers – Remote

Apr 2024 – Present

- Formatted research papers according to journal and institutional standards
- Collaborated with authors and editorial team to ensure timely submission and publication readiness

Backend Developer |Japan Bangla IT – Remote(Intern)

2024 – 2025

- Developed web applications using PHP and Laravel frameworks
- Implemented backend functionality, database management, and RESTful APIs
- Collaborated with team members on full-stack projects and deployment