

Md. Manzurul Islam

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EDUCATION

B.Sc Engg in Computer Science and Engineering

Bangladesh University of Business and Technology (BUBT)

CGPA – 3.73 [2019 - May/2023]

PUBLICATIONS:

- [Apple Disease Diagnosis for Precision Agriculture Using Deep Learning Neural Network](#)
- [A Stacked Ensemble Machine Learning Approach for the Prediction of Diabetes](#) [Q2, Impact Factor: 3.0 { Springer journal }]

WORK EXPERIENCE :

Bista Solution Inc { Software Developer } [2023/10 - Present]

- **SonnerPipe 360 (Odoo/Flutter):** Built inventory & barcode scanning module with offline sync — a pattern directly applicable to AI edge-inference pipelines. [[Google Play / Apple Store](#)]
- **Bista Field Service (Odoo/Flutter):** Engineered CRM app with Google Maps integration, real-time GPS tracking, and automated check-in/check-out — leveraging geospatial data ideal for ML-driven routing. [[Google Play / Apple Store](#)]
- **Fleet (Odoo/Flutter):** Designed shipment delivery tracker with continuous location logging (structured time-series data), adaptable for predictive delivery ML models. [[Google Play / Apple Store](#)]
- **ZPS Pos (Odoo/Flutter) :** Implemented foreground service for proximity detection (500m geofencing) — a foundation for ML-based behavioral analysis.
- **Saleorder App(odoo/Flutter) :** An application integrated with an e-commerce platform to create and manage sales orders, confirm orders, generate invoices, and handle customer and product details efficiently. [[Google Play / Apple Store](#)]

EraVend GmbH & Co. KG { IOT Flutter Developer } [23/08/2024 - 1/1/2025]

- **Pizza Vending Machine :** A multi-product vending machine fully controlled by the DAS Full System. It manages four motors, 32 sensors, and issue detection, with real-time notifications, dynamic pricing, and remote access for rebooting and volume control. Users can stock racks, process orders, and display ads. Communication with the client app is handled via a server for seamless operation. [[Running at Machine in Germany](#)]
- **Eravend Clint :** A Flutter app for managing machines efficiently, with real-time tracking, QR-based machine addition, and product management. It includes ad management, rack organization for pizza trays, and grouping for pizzas and ads. The app also features ad scheduling and a preheating scheduler for optimized operations [[Published in google play store](#)]

Digital Bangladesh Mela 2023:

- **[Energy-Efficient Dimmable Light Bulbs](#)** (Top 10 Innovator Award) {C++ | [NodeMcu](#)}:
Developed a system for dimmable, energy-efficient light bulbs compatible with dimmer switches. Enabled adjustable voltage for varying light intensity, enhancing ambiance while conserving energy.

PROBLEM SOLVING

- [Codeforces](#) | 30+ solved
- [Leetcode](#) | 120+ solved
- [HackerRank](#) | 100+ solved

CERTIFICATIONS

- ❖ Introduction to Machine Learning with Python ([BUET at 2022/03/27](#))
- ❖ Server administration including Windows|Linux ([SEIP|BASIS](#))
- ❖ 2023 Top 10 Innovator Award from [DigitalBangladeshMela](#)
- ❖ **Develop Schedule App** for ICPC Asia Dhaka Regional Contest - 2023

KEY SKILLS & ABILITIES

Language
Framework
Database
Version Controlling System(VCS)

- Dart, Python, C++.
- Odoo, Flutter, Arduino.
- MySql, SQLite, PostgreSQL.
- Github.

MEDIA COVERAGE (23 jan 2023)

- Appeared in [আজকের পত্রিকা](#) & [News24 TV](#) for publishing news about Smart Dress Best Innovation Project 2023