

# Mahjabin Binte Mannan

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## Experience

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**Founding Engineer**, DataMyth Labs – Self-employed July 2025 – Present

- Founded and currently leading a software venture specializing in agentic integration, AI-driven automation, ERP integrations, and custom web solutions for international and local clients.
- Delivered high-impact proofs-of-concept and scalable digital products, owning the full lifecycle from client discovery to deployment.

**Software Engineering Consultant**, Planet Crust (Contract) – Ireland, Remote September 2025 – Present

- Engineered the MCP server and core agentic logic for **@Human**, enabling seamless tool-calling and context-aware interactions across the platform.
- Implemented comprehensive observability and policy frameworks to ensure secure, traceable, and scalable agent performance in production.
- Developing and improving core backend services for **Corteza** in Go, delivered as a specialized backend partner via DataMyth Labs.

**Junior Software Developer**, Anwar Technologies – Dhaka, Bangladesh September 2024 – August 2025

- Led development of a sales automation platform using Corteza, now used by 700+ users and processing 100K+ data points daily. Delivered modules in 3 sprints, contributing to a 100%+ revenue increase and earning an Employee of the Month award in January 2025.
- Designed and documented the database schema, supporting rapid onboarding and system scalability.
- Used SQL extensively for building internal reporting tools, including complex territory-wise and influencer-wise performance summaries, earning an Employee of the Month award in April 2025. Currently integrating these workflows into an LLM-based assistant that generates SQL from natural language and provides on-demand reports to management.
- Applied Power BI to uncover sales insights and improve decision-making via visual analytics.

**Software Development Intern**, Anwar Technologies – Dhaka, Bangladesh June 2024 – September 2024

- Developed RESTful APIs to integrate with ERP software for data exchange between systems.
- Documented API specifications using Postman and created comprehensive command-line logs for team reference.
- Improved SQL query performance by 30% through optimization techniques.
- Collaborated with backend, frontend, and DevOps teams using GitLab for version control.
- Reduced task completion time by 71.43%, allowing for additional feature development.

**Freelance Tutor (Remote)** – USA May 2024 – December 2025

- Taught Python programming and beginner algorithms to a college student for 4 months.
- Designed interactive coding exercises and personalized learning plans, focusing on problem solving and logic.
- Tutored college level mathematics prioritizing algorithmic thinking and applied problem solving.

## Projects

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**MemoryDeck — A Focused Habit & Goal Tracker** memorydeck.app

- Built a full-stack web app in **Go** (chi router, server-rendered `html/template`) backed by **PostgreSQL** (pgx), supporting per-user goal tracks, daily tasks, journaling, activity heatmaps, and auto-computed streaks.
- Implemented secure authentication from scratch: bcrypt password hashing, cookie-based sessions, email verification, password reset, and a single-use invite-code system for closed-beta access.
- Developed a built-in **Pomodoro timer** that auto-credits focus time to the active task, plus transactional email flows (verification + waitlist) and a one-click JSON data export.
- Designed a responsive, framework-free UI (hand-written CSS / vanilla JS) with a public landing page, in-app

notification center, and toast feedback.

### Ulto – Rotate Images & Videos Inline

[Click to view Ulto](#)

- Built a Chrome extension that enables inline rotation of images and videos using hover-based keyboard shortcuts, reducing friction when viewing incorrectly oriented media without downloading.
- Built with vanilla JavaScript and Chrome Manifest V3, using CSS transforms for zero-latency rotation without re-rendering.
- Published on Chrome web store with 33 active users and 255 installs

### Lonely Bot – Mental Health Chatbot

- Developed a mental health chatbot using NLP techniques and neural networks to provide users with mental health support.
- Designed the user interface and implemented the website using Flask.
- Managed database integration with SQLAlchemy to ensure smooth data handling.

## Skills

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Golang, MCP, Agent Building, LLM integration, Python, PostgreSQL, Git, Docker, Postman, Nginx

## Education

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Eastern University, BSc in Computer Science and Engineering

2020 – 2024

- **CGPA:** 3.86
- **Relevant Courses:** Software Engineering, Machine Learning, AI, Algorithms, Data Structures, Statistics, Calculus
- **Thesis:** Cyclone track forecasting using machine learning and deep learning models

## Extracurricular Activities

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- **President, YouthMappers at Eastern University, Bangladesh** *Jan 2022 – Dec 2023*
  - Awarded the Leadership Fellowship 2023 by YouthMappers, selected from 300 candidates worldwide.
  - Led the YouthMappers chapter and organized the first in-person YouthMappers Bangladesh Summit with 150+ participants.
  - Guided the chapter to win the Community Outreach Award 2023 and National Collaboration Award 2024.
- **Contestant, ICPC Asia Dhaka Regional Contest** *Oct 2022*
  - Represented university and solved algorithmic challenges using advanced data structures and techniques.
- **Champion, 40th Intra-University Programming Contest (IUPC)** *Sep 2023*
  - Won the university-level contest by solving 3 out of 4 problems in a 3-member team.
- **Top 15, Forewarn Disaster Hackathon 1.0** *Aug 2023*
  - Led Team Three Dot in developing a cyclone navigation system using ML and deep learning.
- **Top 5, Net Zero Climate Change Poster Competition – Earth School, ICCCAD** *Feb 2024*
  - Researched and presented on the impact of climate policy on women’s empowerment in Bangladesh.

## Certifications

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- IELTS (Overall 7.5 – L: 8.5, R: 8.5, W: 7.0, S: 6.5)