



# GOLAM AHMED MUGDHA

Junior Software Engineer

Software Engineer with experience in backend development, RESTful APIs, automation, and AI integrations. Skilled in Django, DRF, Selenium, React, SQL, LangGraph. Built scraping systems, backend APIs, and AI-assisted workflow, automation solutions.

+8801739-582197

golamahmedmugdha@gmail.com

Golam Ahmed Mugdha

mugdhaahmed

## WORK EXPERIENCE

### Junior Software Engineer, Jami Construction & Engineering

Dec 2025 – Present

- Engineered and maintained scalable RESTful APIs and backend services for internal systems using Python, ensuring performance, reliability, and maintainability.
- Integrated AI-powered services into end-to-end workflow automation pipelines, enhancing data processing accuracy and operational efficiency.
- Designed, configured, and optimized automation tools and processes, significantly reducing manual operational effort and improving turnaround time.
- Diagnosed and resolved complex backend and automation pipeline issues, strengthening system stability, fault tolerance, and overall reliability.
- Eliminated manual data processing by building and optimizing automation-driven data processing pipelines, enabling faster, consistent, and scalable data handling.

## PROJECTS

### EZBid

URL: <https://ezbid.cloud>

Tech Stack: Python, Django REST Framework, FastAPI, Selenium, MySQL

- Architected and deployed a distributed microservices-based automation pipeline, comprising dedicated scraping, processing, and validation services built with Python and Selenium.
- Engineered resilient anti-bot evasion mechanisms to bypass aggressive Web Application Firewalls (WAF) and Cloudflare protections, enabling reliable, zero-downtime data extraction.
- Designed and developed scalable backend REST APIs using a hybrid framework architecture, leveraging FastAPI for high-performance asynchronous data streaming and Django REST Framework for robust authentication, user management, and relational data persistence.
- Integrated Generative AI into automated ingestion workflows to dynamically parse unstructured tender documents and evaluate complex bidder eligibility using historical business logic.
- Optimized Database performance and reliability, enabling efficient normalization, indexing, and querying of large-scale, high-frequency tender datasets.

#### Project Features:

- SaaS-based tender automation platform that extracts, processes, and analyzes tender data from e-GP and multiple external sources using AI-assisted automation workflows.

#### Microservices:

- Tenderer Eligibility Collector (Python - Selenium - GenAI)
- Open Tender Scraper (Python - Selenium)
- Limited Tender Scraper (Python - Selenium)
- Tender DataSheet Collector (Python - Selenium)

## PROJECTS (CONTINUED ...)

### ClickMart (DRF-React)

- Full-Functional E-Commerce Project

### Shohay (Ongoing)

- Location-based verified human assistance marketplace

## PROGRAMMING SKILLS AND TOOLS

- **Languages:** Python, JavaScript, C, C#
- **Backend:** Django, Django REST Framework, FastAPI
- **Frontend:** React, Tailwind CSS, Bootstrap, HTML
- **Databases:** MySQL, SQLite, PostgreSQL
- **Automation & Scrapping:** Selenium, BeautifulSoup
- **Authentication, Caching & Task Management:** JWT, OAuth2.0, Celery, Redis
- **Tools:** Docker, Git, GitHub, Postman, N8N, Zapier
- **Cloud & Platforms:** Google Cloud, Hostinger, Github Actions
- **AI Orchestration & Frameworks:** LangChain, LangGraph
- **Architectural Patterns & Concepts:** REST APIs, WebSockets, Web Scraping

## EDUCATION

### B.sc in Software Engineering

Jan 2022 - Jan 2026

Daffodil International University - DIU

- CGPA: 3.75

### Higher School Certificate (HSC)

2018 - 2020

Government Laboratory High School

- GPA: 5.00

## CERTIFICATIONS

- "Mastering Django Rest Framework - Scalable APIs" – Tech With Rathan Live Course | 2026
- "Web Development With Python-Django - React" – Interactive Cares Live Course | 2025
- "AI Agent Development for Coders" – Interactive Cares Live Course | 2025
- "Observations of Near-Earth Objects and Main Belt Asteroids" – International Asteroid Search Collaboration | 2023
- "C Programming: Basic to Advance" – TMT Soft & Knowledge House Live Course | 2022

## EXTRA CURRICULAR ACTIVITIES & ACHIEVEMENTS

- Citizen Scientist- International Astronomical Search Collaboration
- Runner Up- Robotics Project Exhibition, Fall - 2023 Organized by DIU Robotics Lab, DIU.
- Organizer- 12 Years Celebration of Department of Software Engineering, December 5, 2022.
- Organizer- 4<sup>th</sup> National Data Science Summit, Data Science Lab, DIU, 2024
- Talentpool Scholarship- Junior School Certificate (By Bangladesh Government)

## SOFT SKILLS & LANGUAGE

- Team Collaboration
- Communication
- Analytical Thinking
- Problem Solving
- Bangla (Native)
- English (Fluent)
- Türkçe (Listening & Speaking)
- हिन्दी (Fluent)