

Md JAHIRUL ISLAM ANIK

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EDUCATION

Hochschule Merseburg

B.Eng. Engineering and Management (in progress)

Merseburg, Germany

Sep 2024 – Present

PROJECTS

AdmissionOps | Open-Source, Bilingual AI Model Tests

- Built an open-source admission-test command center for Bangladesh, covering BUET, DU, Medical, and GST past questions.
- Implemented AI-generated model tests with bilingual (Bengali/English) step-by-step solutions.

SmartResume & AI Scanner | FastAPI, Supabase, REST APIs

- Designed a candidate resume and job-scanning platform with modular Auth, Candidates, and Jobs components, each cleanly separated into controller, DTO, model, and router layers.
- Decided architecture so the Candidates module owns the full user record while Auth is scoped narrowly to OTP verification, login checks, and magic-link delivery.
- Integrated Supabase for both database and authentication, driving signup through the Supabase Admin API from the FastAPI backend.
- Planned integration of Resend for transactional email notifications, kept separate from Supabase's built-in auth emails.

Task Management Application | Python, REST APIs

- Built a backend-only task management API in Python, covering core CRUD functionality for tasks and task organization.
- Applied REST API design principles to structure endpoints and data models for a real-world productivity use case.

TECHNICAL SKILLS

Languages: Python, C++, C

Backend: FastAPI, REST API Design, Supabase (DB & Auth), Modular Service Architecture, Resend (Email API)

Databases: PostgreSQL

Tools & Platforms: Git, GitHub, Postman

Currently Learning: AI/ML Fundamentals, AI Agents, Applied AI Engineering

AWARDS & SCHOLARSHIPS

- Deutschlandstipendium Scholarship — Oct 2024–Sep 2025 (Dow Olefinverbund)
- Deutschlandstipendium Scholarship — Oct 2025–Sep 2026 (Tillia GmbH)