Md Abdullah Al Mamun

Techno-Functional Software Engineer

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> Techno-functional engineer working across Python, SAP, data, web, and AI. I turn messy files, folders, and APIs into dependable systems — ETL pipelines, clean relational models, ABAP solutions, and decision-ready dashboards — and bridge technical implementation with business process design.

CORE SKILLS

Python: ETL pipelines, Pandas/NumPy, Django, Flask, Tkinter

Data: SQL, MySQL, MongoDB, Excel2SQL, KPI reporting, reconciliation

AI: Agentic PLAN → ACT → OBSERVE workflows, ML classification, human-reviewed output

SAP: ABAP reports, ALV, BAPIs, SD (O2C, pricing, billing), MM (P2P, inventory)

Web: JavaScript, React, Node.js/Express, Django REST, GraphQL

Mobile: Flutter, Dart, REST APIs, offline local storage

SELECTED PROJECTS

Excel2SQL — Excel_to_sql — PYTHON

Desktop GUI tool that ingests messy spreadsheets, parses schemas, and queries workbook data with SQL.

Excel Merger — Excel_Merger_Desktop_Application- — PYTHON / TKINTER

Desktop application that merges multiple Excel workbooks into one consolidated, clean output file.

PantryShop Desktop — PantryShop_Desktop_Version — PYTHON

Desktop CRM and inventory management application built with modular MVC controllers, models, and views.

DockTube — docktube — PYTHON

Lightweight YouTube media downloader built with Python and yt-dlp for single videos and playlists.

API Services — Django-RestApi-CRUD / DRF-JWT — DJANGO REST

RESTful CRUD API and JWT authentication service built with Django and Django REST Framework.

Aristopharma Target vs Achievement Dashboard — DATA ANALYSIS

Interactive target-vs-achievement analysis with monthly/quarterly KPIs, responsive desktop and mobile views.

AREAS OF FOCUS

- Enterprise SAP delivery: technical ABAP development paired with functional SD/MM process understanding.
- Data engineering and analysis: source cleanup, schema design, reconciliation, and decision-ready dashboards.
- Automation and internal tools: Python utilities, desktop applications, and repeatable ETL workflows.
- Full-stack and mobile delivery: React/Django backends and Flutter applications with REST APIs.