NITU CHAKMA

AI Automation Engineer | Systems Integration & AI Workflows

Dhaka, Bangladesh | +8801854893570

Email | LinkedIn | GitHub | Portfolio

PROFESSIONAL SUMMARY

AI Automation Engineer building business workflows with n8n, Python, FastAPI, REST APIs and LLM integrations. Experience delivering quotation, recruitment, campaign and client-notification systems. Focused on maintainable integrations, validated AI outputs, human approval and reliable execution across connected SaaS platforms.

PROFESSIONAL EXPERIENCE

Executive, AI | SM Technology

Mar 2026 - Present | Dhaka, Bangladesh

- Design and maintain business automation using n8n, Python/FastAPI, REST APIs, AI services and Google Workspace.
- Translate business requirements into data flows, validation rules, approval checkpoints and integration architectures.
- Implement retries, deduplication, logging and test/production controls; add human review for decisions supported by AI.
- Debug workflow logic, API integrations and containerized deployments across local and VPS environments.

TECHNICAL SKILLS

Automation: n8n, workflow architecture, conditional routing, approval workflows

AI & Agents: LLM APIs, prompt engineering, structured outputs, MCP integrations

Backend & APIs: Python, FastAPI, REST APIs, webhooks, JSON, authentication

Data & Platforms: Google Sheets, Drive, Gmail, Airtable, PostgreSQL, CRM integrations

Reliability & Tools: Validation, retries, deduplication, logging, Docker, Linux/VPS, Git, Postman

EARLIER ENGINEERING EXPERIENCE

Junior Site Engineer | Fast Network Technology

Jan 2023 - Dec 2024 | Dhaka, Bangladesh

- Installed, monitored and troubleshot telecom infrastructure; handled fault isolation, technical reporting and field operations.

Team Leader & Technician | GPI AsiaTel

Oct 2021 - Dec 2022 | Dhaka, Bangladesh

- Led field maintenance teams, coordinated troubleshooting and maintained operational reporting and service quality.

SELECTED PROJECTS

Case studies and system evidence: Portfolio

AI Relationship Intelligence & Campaign Automation

n8n | OpenAI | Gmail | Google Sheets | Web Enrichment

- Built a multi-workflow system that reconstructs customer email history, creates reusable relationship intelligence and evaluates campaign fit using source evidence.
- Implemented configurable scoring, review thresholds, cooldowns, deduplication, identity-conflict handling and cached intelligence reuse.
- Added evidence-based email generation, quality checks and automatic rewrite/recheck cycles; created Gmail drafts with campaign limits and failure logging for human review.

AI-Powered Quotation & Approval Automation

n8n | LLM APIs | Airtable | ERP/CRM | Email

- Designed an end-to-end workflow from incoming emails and attachments through AI extraction, pricing, manager approval, business-system synchronization and customer delivery.
- Built duplicate-trigger protection, attachment persistence, state tracking, retries and API error handling, with human approval before customer-facing actions.
- Kept quotation records, operational tracking, approval status and downstream communication synchronized.

Recruitment & HR Automation

n8n | Google Sheets | Email Workflows | Document Processing

- Built a multi-stage workflow for candidate intake, document processing, agreement and rule checks, HR review, decision handling and draft communication.
- Added configuration-based controls, duplicate protection and test/production safeguards so HR users can operate the system without editing workflow logic.
- Kept hiring decisions controlled and traceable through explicit human approval steps.

Project Tracker & Client Notification Automation

n8n | Google Sheets | Email Automation | State Management

- Built status-aware client progress and completion emails from a shared project tracker, with a verification recheck before sending.
- Implemented Job-ID-based state mapping, new-project onboarding and update tracking; cancelled outdated notifications when project status changed during verification.
- Added daily reconciliation, stale-project monitoring, trial controls and error alerts to keep spreadsheet updates and automated communications aligned.

EDUCATION

Diploma in Engineering - Telecommunication

Ahsanullah Institute of Technical & Vocational Education & Training (AITVET)

Aug 2020

LANGUAGES

Bangla: Native proficiency | English: Professional working proficiency