

Midhat Ratib Khan | AI Engineer

📍 Dhaka, Bangladesh
☎ +880 1786511907 • ✉ ratibkhan907@gmail.com
🔗 son1cleo • 🌐 LinkedIn

Education

North South University B.Sc. in Computer Science and Engineering <i>Specialization: AI and Machine Learning Track</i>	Dhaka 2021–2025
College of Development Alternative Higher Secondary Certificate (HSC), GPA 4.58	Dhaka 2018–2020
Uddipan Biddalaya Secondary School Certificate (SSC), GPA 4.50	Dhaka 2016–2018

Professional Experience

Innovation for Wellbeing Foundation <i>Technical Consultant (Web)</i> - Served as lead developer and consultant for “Hearth Summit Bangladesh.” - Developed and deployed CMS web-based platforms and infrastructure for the international brand launch.	Dhaka Oct 2024–Mar 2025
IEEE NSU Student Chapter <i>Web Development Team</i> - Developed and deployed a Django-based dynamic web mail automation service. - Enriched institutional web infrastructure and managed automated outreach tools.	Dhaka Mar 2024–Nov 2024

Projects

PorteHobe AI (Capstone Project) Optimized mathematical reasoning performance through model refinement and GSM8K benchmarking against state-of-the-art LLMs.	
SmartRoute-LLM Engineered an intelligent model routing architecture to optimize performance and efficiency for Small Language Models.	
SouthForge - Offline-First AI IDE SouthForge is an offline-first, browser-based IDE with local AI support, in-browser runtime execution, workspace persistence, and terminal-driven Git/GitHub flows.	GitHub

Technical Skills

Core AI & ML: LangChain, LangGraph, LLM/SLM Optimization, Agentic Workflows, RAG, Model Routing
Engineering Fundamentals: Data Structures & Algorithms (DSA), Graph Theory, Operating Systems
Programming Languages: Python (Proficient), C, C++, Java, Go, JavaScript
Libraries & Frameworks: TensorFlow, Scikit-learn, Pandas, NumPy, Django, FastAPI
Databases & Tools: MySQL, Supabase, Git, GitHub, Linux (Ubuntu), L^AT_EX

Languages

English: Professional (Fluent in technical communication)
Bangla: Native (Mother tongue)