

Saif Mohammed

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EXPERIENCE

Research Assistant

North South University

April 2026 – Present

Baridhara, Dhaka - 1229

- Selected for a funded research project under the supervision of Dr. M. Rashedur Rahman.
- Conducting research on image decolorization and its applications in computer vision.
- Exploring downstream vision tasks such as segmentation using grayscale representations.

Chief Technical Officer

Run Bangladesh

October 2019 – Present

Rampura, Dhaka, Bangladesh

- Leading technical strategy and overseeing development of a Laravel-based platform using PHP.
- Developing scalable web applications for event management, registration, and engagement.
- Implementing timing solutions for running events with accurate tracking and real-time results.

TECHNICAL SKILLS

Languages: Java, Python, C, C++, JavaScript, TypeScript, HTML, CSS, PHP, Prolog

Frameworks & Libraries: Flask, Django, Streamlit, Node.js, React, React Native, Flutter

Databases & Tools: MySQL, Oracle, MongoDB, Git, GitHub, VS Code, Android Studio, Xcode

Documentation Software: L^AT_EX, MS Excel, MS PowerPoint, MS Word

Design & Simulation Tools: Canva, Figma, AutoCAD, Logisim, Multisim

EDUCATION

Bachelor of Science in Computer Science & Engineering

Department of Electrical & Computer Engineering, North South University

October 2021 – Present

Baridhara, Dhaka - 1229

Higher Secondary Certificate (Science)

Dhaka College

July 2018 – December 2020

New Market, Dhaka - 1205

Secondary School Certificate (Science)

Ideal School and College

January 2008 – March 2018

Motijheel, Dhaka - 1000

PROJECTS

CareerMAS | [GitHub](#) | *Python, LangGraph, Scikit-Learn*

February 2025 – April 2025

- Designed a hierarchical multi-agent LLM system for career guidance and job recommendations.
- Developed automated agents to scrape and analyze unstructured job listings in the Bangladeshi job market.
- Integrated ML-based salary prediction and validated the system on 5,000+ job postings.

DiabetIQ | [GitHub](#) | *Flutter, FastAPI, Python, MongoDB*

February 2025 – April 2025

- Developed an intelligent application for diabetes management tailored to Bangladeshi patients.
- Integrated an LLM-based RAG chatbot for personalized health recommendations.
- Implemented a machine learning model for early prediction of diabetic risk.

EXTRA-CURRICULAR ACTIVITIES

Coordinator, Research and Development Group

NSU ACM Student Chapter, North South University

March 2025 – Present

Baridhara, Dhaka - 1229

- Led early-stage event planning through visualization-driven prototyping.
- Facilitated the successful execution of mentorship programs and R&D workshop series.

Moderator, Web Group

NSU ACM Student Chapter, North South University

March 2025 – Present

Baridhara, Dhaka - 1229

- Maintained and updated the official club website using Next.js.
- Coordinated design and development for Technovation 3.0 using React and TypeScript.

Academic Mentor, Research and Development Group

NSU ACM Student Chapter, North South University

March 2025 – Present

Baridhara, Dhaka - 1229

- Conducted academic sessions on core CS courses including DSA, COA, and DBMS.
- Delivered sessions on efficient programming practices using C++ and Python.