



Dhaka
Bangladesh

Email
Mobile

GitHub Profile

Upwork Profile

Mohammad Khairul Haque

Machine Learning & AI Software Developer

Career Objective

- Machine Learning and AI Engineer building AI-powered applications and scalable full-stack systems.
- Experienced with modern ML frameworks and cloud technologies, focused on delivering efficient, well-architected, real-world solutions.

Academic Qualifications

Bachelor of Science in Computer Science and Engineering (CSE), *Bangladesh University of Business and Technology (BUBT)*, Dhaka, Bangladesh. **2024–Present**
Currently pursuing; expected graduation: 2028.

Higher Secondary Certificate (HSC), *Monipur Uchcha Vidyalaya and College (MUBC)*, Dhaka, Bangladesh. **2020–2022**
GPA: 5.00 (Bangladesh grading scale)

Professional Experience

Freelance Software Developer, *Self-Employed / Remote*, Dhaka, Bangladesh. **2024–Present**

- Delivered custom software solutions for international clients via platforms such as Upwork.
- Developed AI-powered features using Python and machine learning libraries.
- Integrated models into web-based applications.
- Ensured clean, maintainable source code with technical documentation.
- Collaborated closely with clients to analyze requirements, refine system design, and deliver scalable solutions within deadlines.

Junior Developer, *Startup Inc.*, Dhaka, Bangladesh. **2021–2023**

- Assisted in developing mobile and web applications.
- Optimized database queries.
- Contributed to open-source projects on GitHub.
- Gained practical experience in collaborative development workflows and version control.

Skills

Programming Languages: Python (Advanced), Java, C++, C, C#, JavaScript, TypeScript, Go, Rust

AI & ML: PyTorch, TensorFlow, Keras, OpenCV, scikit-learn, Hugging Face, LangChain, GANs, Transformers, NLP, Computer Vision

Web Development: HTML5, CSS3, JavaScript, React, Next.js, Vue.js, Node.js, Express, Django, REST APIs

Databases: PostgreSQL, MySQL, MongoDB, Redis, SQLite

Data & Analytics: NumPy, Pandas, Matplotlib, Seaborn, Plotly, ETL Pipelines, Feature Engineering

Cloud & DevOps: AWS, GCP, Docker, Kubernetes, Terraform, CI/CD, Linux

Mobile & Tools: React Native, Flutter, Git, Figma, Postman, Unity (C#)

Concepts & Soft Skills: REST APIs, Scalable Systems, Version Control, Problem Solving, Technical Documentation

Languages: English (Fluent), Bengali (Native)

Projects

2023–2024: BDSoil: AI-enabled platform where users can input land data to receive automated soil analysis and advanced recommendations, supporting smarter agricultural and land-use decisions.

2023–2024: Prishthoposhokota Sohaihok: AI-powered personal finance co-pilot designed to deliver predictive insights, personalized financial guidance, and autonomous optimization for smarter money management.

2023–2024: KODESK: Coding education platform combining learning, practice, and gameplay. Features secure Docker-based code execution, task challenges with XP & streak tracking, and a progressive unlock system.

2022: JMMN X SHAW: Personal/full-stack web project showcasing dynamic content handling, backend logic, and database integration.

Training & Certifications

2024: ICPC Certificate: International Collegiate Programming Contest Certificate

Awards & Achievements

2022: Basketball Team Champion: Monipur Uchcha Vidyalaya and College (MUBC)

References

Available upon request.

Md. Samsu Uddin, Senior Vice President at BRAC Bank PLC — Email: sajuahmedr6@gmail.com

Russell M. Jahangir, Country Manager (Bangladesh), Bangor University, UK — Email: r.jahangir@bangor.ac.uk