MD Samiul Haque

AI/ML & Full Stack Developer

Dhaka, Bangladesh | +880 1758-715154 | samiultahsin2001@gmail.com

LinkedIn: linkedin.com/in/md-samiul-haq | GitHub: github.com/mdsamiulhaq03 | Portfolio: samiul-haq-portfolio.vercel.app

SUMMARY

Full Stack Developer and ML Researcher experienced in building AI-powered applications, scalable backend services, and machine learning solutions. Skilled in Next.js, TypeScript, Python, FastAPI, PyTorch, RAG, and LLMs. Published at UCICS 2025 with a transfer-learning model achieving 97% test accuracy across four brain tumor classes.

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Python
Frontend: React, Next.js, Tailwind CSS, Bootstrap, Vite
Backend: FastAPI, Node.js, Express.js, REST APIs, JWT, NextAuth
ML / AI: PyTorch, TensorFlow, Keras, Hugging Face, scikit-learn, Transfer Learning, LangChain, RAG
Databases: MongoDB, MySQL, Firebase, SQLite, Upstash Redis
Data: Pandas, NumPy, Jupyter
DevOps / Deployment: Vercel, GitHub Pages, GitHub Actions
Tools: Git, GitHub, VS Code, Figma, Linux, Postman

EXPERIENCE

AI/ML Intern Sep 2026 - Present
Cloudly Infotech Ltd, Dhaka, Bangladesh

- Build backend services with FastAPI and develop Retrieval-Augmented Generation (RAG) pipelines.
- Support data collection, cleaning, preprocessing, and analysis alongside senior engineers on international teams.

Research Officer Feb 2025 - Dec 2025
Prace BD, Rajshahi, Bangladesh

- Conducted literature reviews and background research to support research projects and academic paper development.
- Contributed to drafting, editing, and organizing research papers by synthesizing findings and supporting methodology, analysis, and discussion sections.

PROJECTS

Quizora: PDF-to-Quiz Learning Engine Jun 2026
Live: quizorapdf.vercel.app | Code: github.com/mdsamiulhaq03/Quizora

Tech: Next.js 16, TypeScript, Groq, Llama 3.3 70B, MongoDB, Upstash Redis, Tailwind CSS v4

- Built a platform that generates MCQ, true/false, and fill-in-the-blank questions from uploaded PDFs (up to 10MB) with Llama 3.3 70B, using configurable difficulty, question count (5 to 20), and structured JSON extraction.
- Implemented SM-2 spaced repetition to schedule weak-area review, plus a dashboard tracking score history, topic weaknesses, streaks, and activity.
- Integrated NextAuth v5 (GitHub, Google, email/password), Upstash Redis caching, Resend email, and a guest mode.

CVAnalyzer AI: AI-Powered CV Analyzer Mar 2026
Live: cv-tracker-three.vercel.app | Code: github.com/mdsamiulhaq03/CV-Tracker

Tech: Next.js, TypeScript, Groq, Llama 3.3 70B, Tailwind CSS

- Built a CV analysis tool with ATS scoring, skill-gap detection, and CV rewrites using Llama 3.3 70B.
- Implemented server-side parsing for PDF, DOCX, and TXT with structured extraction and handling of malformed uploads.

PUBLICATION

Transfer Learning for Brain Tumor Detection & Hyperspectral Imaging Jan 2025
UCICS 2025

- Applied VGG-16 and ResNet-50 to hyperspectral segmentation and MRI tumor classification; trained on 3,000 scans and reached 97% test accuracy across 4 tumor classes.

EDUCATION

B.Sc. in Computer Science & Engineering Jan 2021 - Sep 2025
Varendra University | CGPA: 3.56/4.00

Higher Secondary Certificate (HSC) Jun 2018 - Jul 2020
Jamur Islamia College, Bogura | GPA: 5.00/5.00