MST. SHADIA NOOR MOU

SOFTWARE ENGINEER | AI/ML ENGINEER | FULL-STACK DEVELOPER

Rajshahi, Bangladesh | Bangladeshi | +880 1760521131 | shadianoormou.cse@gmail.com
shadianoor.vercel.app | github.com/shadianoormou | linkedin.com/in/shadia-noor-mou | leetcode.com/u/shadianoormou

PROFESSIONAL SUMMARY

Computer Science and Engineering graduate with a 3.78/4.00 CGPA and full merit scholarship support throughout the undergraduate programme. Software Engineer and Machine Learning Engineering Intern with experience in full-stack product development, machine learning engineering, and research-oriented software. Currently working across C#, .NET MAUI, ASP.NET, React.js, Next.js, Node.js, Python, SQL, TensorFlow, and Keras. Demonstrated academic excellence through scholarship achievement, applied research, competitive programming, and award-winning innovation projects. Seeking international opportunities in software engineering, AI/ML engineering, and graduate study.

Career Focus: AI Engineering | Machine Learning | Full-Stack Software Engineering | Research and Innovation

PROFESSIONAL EXPERIENCE

Software Engineer | ASTGD

Aug 2026 - Present | Full-time, on-site

- Work across C#, .NET MAUI, ASP.NET, ASP.NET Core, .NET Framework, and mobile application development.
- Apply software engineering, database, API, and UI development skills to practical product delivery.

Machine Learning Engineering Intern | FlyRank AI

Jul 2026 - Present | Remote

- Contribute to machine learning development and evaluation, data preprocessing, and model optimisation.
- Explore LLMs, prompt engineering, and AI-powered automation in collaboration with cross-functional teams.

EDUCATION AND SCHOLARSHIPS

B.Sc. in Computer Science and Engineering | Varendra University, Rajshahi

Sep 2022 - Jul 2026 | Degree completed 30 Jul 2026

- CGPA: 3.78/4.00.
- Full merit scholarship throughout the undergraduate programme.
- Principal areas: software engineering, AI/ML, databases, algorithms, and computer networking.

Higher Secondary Certificate (HSC) | New Govt. Degree College, Rajshahi

2021

- GPA: 5.00/5.00; government scholarship for academic merit.

Secondary School Certificate (SSC) | Govt. P.N. Girls' High School, Rajshahi

2019

- GPA: 5.00/5.00; government scholarship for academic merit.

TECHNICAL SKILLS

Programming: Python, Java, C, C++, JavaScript, SQL, C#
AI/ML: Machine learning, deep learning, CNN, BiLSTM, TensorFlow, Keras, image classification, preprocessing, model evaluation
Frontend: HTML5, CSS3, React.js, Next.js, Tailwind CSS, Bootstrap, responsive design
Backend: Node.js, Express.js, REST APIs, ASP.NET, ASP.NET Core, .NET MAUI
Databases: MySQL, SQL Server, MongoDB; database design, stored procedures, functions, views, and indexes
Tools and AI-assisted Development: Git, GitHub, VS Code, NetBeans, Postman, Kaggle, Google Colab, ChatGPT, Codex, Cursor, and Claude Code

SELECTED PROJECTS

Aura Studio - UGC Creator Portfolio and CMS

Next.js, React, TypeScript, Vercel Postgres, Vercel Blob, Responsive CSS

Designed and built a premium portfolio platform for a Bangladesh-based UGC creator, combining a responsive public portfolio with a private PIN-protected creator CMS.

- Implemented an animated work gallery, client feedback carousel, and contact inquiry flow.
- Built CMS workflows for portfolio items, media uploads, publishing status, and inquiries.

Portfolio: shadianoor.vercel.app

MST. SHADIA NOOR MOU

Selected Projects, Research, and Achievements

SELECTED PROJECTS CONTINUED

Digital Pharmacy Platform - Aurevia Care (MediMart AI)

React, Node.js, Express.js, MongoDB, Microsoft SQL Server, Azure SQL, REST APIs, Voice Search

Developed a safety-first digital pharmacy and Rajshahi care-discovery platform with practical healthcare UX and pharmacist-led fulfilment workflows.

- Implemented medicine browsing, cart and order workflows, secure prescription upload, pharmacist review, inventory, and order controls.
- Included admin dashboard capabilities, voice search, and verified local care discovery for a more accessible experience.

Image-Based Malware Classification using Hybrid CNN-BiLSTM

Python, TensorFlow, Keras, CNN, BiLSTM, NumPy, pandas, scikit-learn, Kaggle

Undergraduate thesis research using image representations of malware samples and a hybrid CNN-BiLSTM deep learning architecture.

- Handled dataset inspection, preprocessing, model training, evaluation, and confidence-threshold analysis.
- Reported 96.13% test accuracy and 96.25% weighted F1-score in project documentation.

Thesis repository: github.com/shadianoormou/Malware_Image_Classification_CNN-BiLSTM

LeetCode Solutions Repository

Python, Data Structures, Algorithms, Competitive Programming

Maintains topic-wise Python solutions to strengthen coding interview and competitive programming fundamentals.

- Covers arrays, strings, graphs, dynamic programming, shortest paths, and related problem-solving topics.
- Regularly solves coding problems and maintains the repository as a public record of progress.

LeetCode: leetcode.com/u/shadianoormou

RESEARCH AND ACADEMIC WORK

- Undergraduate thesis: Image-Based Malware Classification using Hybrid CNN-BiLSTM. Supervisor: Adrita Alam.
- Ongoing research: Design and Development of an ESP32-Based IoT System for Remote Patient Health Monitoring and Real-Time Alerting.
- Ongoing research: SentinelPR, an AI-based semantic framework for detecting and preventing hidden sabotage in agent-generated pull requests.

AWARDS AND DISTINCTIONS

- 1st Runner-Up, NASA Space Apps Challenge Bangladesh 2023, Rajshahi; Team Error404 System Architect and Researcher.
- Galactic Problem Solver recognition, NASA International Space Apps Challenge 2023.
- IOY Ambassador 2026-2027 and Delegate, International Youth Conference 14, New York City.
- 1st Position, Practical Spoken and Written English Examination, Project Hexway, 2026.
- Competitor, Hult Prize 2023-2024 OnCampus Program, Varendra University.
- Participant, Robo Soccer / Robotics Competition, VU Tech Carnival 2024, Varendra University.

CERTIFICATIONS AND PROFESSIONAL TRAINING

- Build a Flutter Project with AI Assistance - Business Automation Ltd. / Skill Development Center, 30 hours, 2025.
- Next Gen InnovX Training Program - Business Automation Ltd., 24 hours, 2025.
- Learn UI/UX: From Fundamentals to Prototyping - Business Automation Ltd., 10 hours, 2025.
- From Raw to Refined: ML Data Preprocessing Crash Course - Business Automation Ltd., 2 hours, 2025.
- How to Build Your Career in DevOps - Business Automation Ltd., 3 hours, 2025.
- Practical Spoken and Written English Preparation Course - completed 2026.
- AI-Driven Full Stack Web Engineering, Batch 14 - Programming Hero, Jun 2026 - Present.

COMMUNITY ENGAGEMENT AND LANGUAGES

- Bangladesh Red Crescent Society - Member; contribute to girls' school education and hygiene-focused community activities.
- Prothom Alo Bondhushava - Member, 2016-2020; participated in winter clothing distribution, fundraising, and community support.
- Languages: Bangla (native); English (professional working proficiency, CEFR B2); Arabic and German (elementary proficiency).
- Professional strengths: teamwork, leadership, communication, problem solving, research, presentation, time management, and adaptability.