# NURUL FAIYAZ

B.Sc. CSE Student | Software Quality Assurance | Cloud Security | AI-Assisted Full-Stack Development
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## PROFESSIONAL SUMMARY

Computer Science and Engineering student specializing in Intelligent Systems and Data Science with hands-on experience across **software quality assurance, cloud security, AI-assisted development, and full-stack engineering**. Comfortable working across the software lifecycle - from requirements and testing to API integration, application development, deployment, and security validation. Focused on building reliable, maintainable, secure software and collaborating effectively with technical teams and clients.

## PROFESSIONAL EXPERIENCE

**Upwork - Freelance Remote Assistant | Remote | 2024 - Present**

- Deliver project-based software development, QA, research, data, and workflow-automation work using conventional engineering practices and AI-assisted development tools.
- Design and execute functional, regression, smoke, API, exploratory, and security-focused testing; document defects and support structured SDLC/STLC workflows.
- Build and integrate APIs, automate repeatable tasks, debug application issues, and work with Git/GitHub-based development workflows.
- Communicate requirements, progress, issues, and deliverables clearly with clients and collaborators across remote work settings.

**Sub-Executive & Event Anchor, EWU Cyber Security Club | East West University**

- Support cybersecurity events, technical activities, coordination, and community engagement.
- Participate in practical security learning activities covering vulnerability assessment, defensive security, cloud security, and cybersecurity awareness.

## EDUCATION

**B.Sc. in Computer Science and Engineering | East West University, Dhaka | Expected 2028**
**Major:** Intelligent Systems and Data Science | **Current CGPA:** 3.67 / 4.00 | Focus: SQA, Cloud Security, AI, Data Science, DevOps, Secure Software Engineering

**Higher Secondary Certificate (HSC) | Dhaka City College | 2022 | GPA 5.00 / 5.00**

**Secondary School Certificate (SSC) | Shamsul Hoque Khan School and College | 2020 | GPA 5.00 / 5.00**

## TECHNICAL SKILLS & EXPERTISE

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|---|---|
| **Programming & Core Engineering** | Python, Java, Go, C, C++, C#, Kotlin, PHP, JavaScript (ES6+), TypeScript, SQL; OOP, DSA, SOLID, Clean Code, Design Patterns, Memory Management, OS/Linux basics, HTTP/HTTPS, WebSockets, multithreading, async/concurrency, race-condition handling; Monolithic, Microservices, Event-Driven Architecture. |
| **Frontend & Mobile** | HTML5, CSS3, Flexbox, Grid, Tailwind CSS, Bootstrap; React.js, Vue.js, Angular, React Native, Android SDK; Redux Toolkit, Context API, Zustand; Three.js, Framer Motion; NPM, Yarn, Vite, Webpack. |
| **AI, LLM & Automation** | OpenAI API, Anthropic Claude, Google Gemini, Hugging Face; LangChain, LlamaIndex; prompt engineering (few-shot, CoT, ReAct); CrewAI, AutoGen; PEFT, LoRA, QLoRA; AI-assisted development with ChatGPT, Claude, Gemini, Cursor. |
| **Data Science & Machine Learning** | NumPy, Pandas, Statistics, Linear Algebra, Calculus; Scikit-learn, PyTorch, TensorFlow; supervised/unsupervised learning, regression, classification. |
| **Databases, APIs & Application Security** | PostgreSQL, MySQL, MongoDB, Firebase, Redis; indexing, sharding, vector databases/RAG with Pinecone, ChromaDB, Milvus; REST, GraphQL, gRPC, JWT, OAuth 2.0, session management, CORS, Twilio; OWASP Top 10, AI guardrails, prompt-injection defense, data-leakage prevention. |
| **SQA & Test Automation** | Manual and Automation Testing; Test Case/Plan Design; Functional, Regression, Smoke, API, Exploratory, Security Testing; Bug Life Cycle; Selenium, Cypress, Playwright, Postman, Jira; SDLC, STLC, Agile/Scrum, TDD, CI/CD. |
| **Cloud, Cybersecurity & DevSecOps** | AWS (EC2, S3, Lambda, IAM, VPC, Security Groups, NACLs, KMS, CloudWatch, Inspector); Azure, GCP; Docker, Kubernetes, Terraform; GitHub Actions, GitLab CI, Jenkins; Kali Linux, Burp Suite, Nmap, Wireshark, Nessus, OpenVAS, Metasploit, Splunk, ELK, HashiCorp Vault; vulnerability assessment, VAPT, IAM/RBAC/MFA, least privilege, TLS/SSL, Linux hardening, secrets management. |
| **Version Control, Deployment & MLOps** | Git, GitHub, GitLab; branching, merging, pull-request workflows; Vercel, Render, Railway, Heroku, Netlify; basic MLOps exposure with MLflow, Weights & Biases, BentoML. |

## PROJECTS & GITHUB PORTFOLIO

Current projects, source code, and ongoing updates are maintained on GitHub. **View GitHub Profile & Projects** - view all repositories and project work in one place.

## SOFT SKILLS

Strong English communication | Leadership | Project coordination & management | Critical thinking | Analytical problem solving | Presentation & public speaking | Client handling | Stakeholder communication | Team collaboration | Attention to detail | Adaptability | Time management | Continuous learning

## ADDITIONAL INFORMATION

**Languages:** Bengali (Native), English (Professional Working Proficiency), Hindi (Understanding), Urdu (Understanding)