

ASHIQ ULLAH

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EDUCATION

Master of Applied Science, Electrical and Computer Engineering (GPA 3.3/4.0)

Expected March 2027

University of Victoria, Victoria, BC, Canada

- Focus: Machine Learning, Cyber Security

Bachelor of Science, Software Engineering (GPA 3.35/4.0)

October 2019

Sarhad University of Science and Information Technology, Peshawar, Pakistan

- Relevant coursework: Data Structures and Algorithms, Web Application Development, Object-Oriented Programming, Database Management Systems

EXPERIENCE

Software Engineering Intern

2020 – 2022

AntonX, Peshawar, Pakistan

- Led a team of four engineers building custom mobile and web applications with React Native and Flutter, from analysis and design through delivery
- Translated client needs into a System Requirements Specification and UI/UX designs (Figma, Adobe XD), and ran design reviews with the principal architect
- Deployed applications to the cloud (AWS, Azure, Google Cloud) using Docker and CI/CD pipelines, and built testing, vulnerability scans, and security reviews into each project phase alongside QA
- Delivered projects on time and on budget, cutting development cost and timelines by about 25%, and introduced web-based solutions to clients in an emerging digital market, reducing their daily managerial work

TEACHING EXPERIENCE

Lab Assistant, SENG 499 — Design Project II

Summer 2026

University of Victoria, Victoria, BC, Canada

- Acted as client and lab TA for 34+ students across two engineering companies over three agile sprints
- Ran weekly labs and Scrum ceremonies, took attendance, and clarified requirements as the project client
- Guided teams building an AI-powered cybersecurity incident response platform (React, FastAPI, PostgreSQL, RAG/LLM) and advised on technology choices (LLM, embedding model, vector store, database) with justified trade-offs
- Advised on CI/CD pipelines and DevOps setup (GitLab, Docker, Docker Hub)
- Reviewed sprint demos and graded deliverables against rubrics, giving written feedback on system design, bias mitigation, and accessibility

Lab Assistant, SENG 275 — Software Testing

Spring 2026

University of Victoria, Victoria, BC, Canada

- Supported students in weekly labs on specification-based, boundary, structural, property-based, and mutation testing, including measuring code coverage
- Guided students in writing unit tests with testing frameworks, applying test-driven development, and using mock objects and test doubles
- Supported students in applying web testing (Selenium), database testing, and security testing to real applications

Lab Assistant, SENG 265 — Software Development Methods

Fall 2025

University of Victoria, Victoria, BC, Canada

- Taught weekly labs on C programming, including the gcc toolchain, the memory model and pointers, and dynamic memory allocation
- Guided students through Python, object-oriented design, unit testing with unittest, and file persistence with pickle and JSON
- Supported students building a PyQt GUI connected to a model using the Model-View-Controller pattern
- Helped students apply Git, Linux and shell commands, and debugging in biweekly assignments that simulate real-world software development

University of Victoria, Victoria, BC, Canada

- Designed all weekly lab tasks and guidelines for a 5-part project covering CI/CD (Azure DevOps, Docker), Selenium test automation, JMeter load and stress testing, and security testing (ZAP, SonarQube)
- Turned the instructor's project requirements into step-by-step weekly labs that teams of four followed to build and test a real web application
- Taught quality metrics and testing techniques through hands-on work with Azure DevOps, React, and Spring, and supported teams during lab sessions

SKILLS

Languages: Python, C, JavaScript, PHP, HTML, CSS

Frameworks & Databases: React, React Native, Flutter, Laravel, FastAPI, Spring, PyQt, PostgreSQL, RESTful API design

DevOps & Cloud: Docker, Kubernetes, CI/CD, GitHub Actions, Jenkins, Azure DevOps, GitLab, AWS, Azure, Google Cloud, cPanel

Testing & Security: Selenium, JMeter, SonarQube, ZAP, unit testing, test-driven development, mutation testing

Tools & Design: Git, Figma, Adobe XD, Microsoft Office, Adobe Acrobat

CERTIFICATIONS

- Azure Developer Associate — Information Technology Board, KP (2021)
- iOS/Flutter App Development and UX/UI Designing — Digital Skills for KP (March – August 2021)
- Natural Language Processing in Python (2026)
- First Aid & CPR/AED Level C (BL) (2024)
- Food Safety Certificate, ServSafe International (2024)