AHMED AZMAINE **ALVEE**

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Objective

Software Engineering and Web Development enthusiast with a strong academic foundation in computer science and hands-on experience building scalable, interactive, and secure applications. Proficient in full-stack development using technologies like ReactJS, JavaScript, Python, Java, and SQL. Demonstrated ability to design responsive web interfaces, develop backend logic, and follow software development lifecycle (SDLC) best practices. Known for writing clean, testable code, collaborating in agile environments, and continuously learning to stay on the cutting edge of modern software practices.

Technical Skill

- **Programming:** Python, Java, JavaScript, C++, HTML, CSS, SQL
- **Tools & Frameworks:** ReactJS, Redux, Git, GitHub, JavaFX, Node.js (intro), JUnit, SQLite
- **Concepts:** Data Structures, Algorithms, Operating Systems, SDLC, Secure Coding

- **Testing:** Unit Testing, Integration Testing, Version Control (Git)
- **Platforms:** Windows, Linux, macOS
- **Other:** REST APIs, Agile/Scrum, GitHub collaboration, Design Thinking

Education

Bachelor of Science: **Computer Science**   **Expected in 08/2027**
University of Calgary   Calgary, AB
Relevant Courses:
Intro to CS, Data Structures & Algorithms, Advanced Algorithms, Operating Systems, Cryptography, Software Engineering, Machine Learning (Foundations)

Projects

Secure Password Manager
Java, JavaFX, AES Encryption, SQLite | Sept 2024 – Dec 2024
- Developed an AES-encrypted password manager with a secure login and user session management
- Reduced login error rate by 20% through improved input validation and WSDL-based services
- Used modular design and UI testing to ensure smooth experience and confidentiality

Online Multiplayer Game Platform
ReactJS, Java, JavaFX, REST APIs, JUnit | Jan 2025 – Apr 2025
- Led development of a multiplayer gaming system for Checkers, Connect Four, and Tic-Tac-Toe
- Applied OOP principles and Agile sprints to manage modular front-end and back-end logic
- Increased responsiveness by 30% and reached 95% unit test coverage using JUnit

Expense Tracker Dashboard
JavaScript, Java Swing, SQL, File I/O | May 2024 – Jul 2024
- Built a financial dashboard for student budgeting with graphs and alerts
- Optimized data indexing and processing, improving I/O performance by 40%
- Designed mobile-ready JavaScript version for broader accessibility

Work Experience

Wireless Sales Consultant and Customer Experience   **09/2024 to 02/2025**
BELL,BCI
- Delivered tailored customer solutions and improved retention through tech-based consultations
- Trained new hires on internal CRM tools and product handling protocols
- Logged client issues, reducing escalations by 25% and proposing system enhancements

Leadership & Volunteering Experience

Orientation Leader — University of Calgary
- Led sessions on IT onboarding, cybersecurity, and platform navigation for over 100 students

Peer Mentor — UCalgary
- Conducted code reviews, taught Git version control, and encouraged creativity through agile mentoring

Volunteer — Science Fundamentals
- Supported technical logistics for student showcases; demonstrated project demos and resolved live issues