Yahya Z. Akel

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Professional Summary

Aspiring QA and software engineer with hands-on experience in testing, automation, and AI-driven development, focused on delivering reliable, high-quality software through Agile collaboration and CI/CD practices.

Education

American University of Beirut (AUB) — B.S. Computer Science　　　　Jan 2023 – Dec 2025 | Beirut, Lebanon
- Received recognition on the Dean's Honor List for outstanding academic achievement.
- Recipient of the Full USAID University Scholarship Program (USP) covering full tuition fees.

Experience

Quality Assurance Intern – SEEN Platform (Powered by Beyond Group)　　　　Sep 2025 – Present | Remote
- Designed and executed detailed test cases to ensure product quality and reliability across multiple web modules.
- Used Skwid CMS for backend content management and validation in testing workflows.
- Collaborated with developers in Agile sprints, contributing to CI/CD improvements and automation with Cypress.

Software Engineering Intern – OPTIVA　　　　Jan 2025 – Apr 2025 | Remote
- Developed and maintained test cases and CI/CD automation (GitHub Actions, Postman).
- Contributed to React-based projects using GitHub for version control and Jira for agile task management.

Teaching Assistant (Work-Study Program) – AUB　　　　Sep 2025 – Present | Beirut, Lebanon
- Assist in conducting and leading university lab sessions focused on **Python programming** and **Excel-based business analytics**, supporting students in applying technical concepts to real problems.
- Guide students by clarifying programming logic, debugging code, and helping them solve lab assignments efficiently.

Data Management Intern – Souboul Al-Salam Relief Team　　　　Jun 2024 – Aug 2024 | Tripoli, Lebanon
- Recorded and managed ambulance-mission data, including patient details and resource tracking.
- Ensured accuracy and consistency in healthcare logistics data within the organization's digital database.

Projects

MediLog – React, Spring Boot, MongoDB　　　　Spring 2025 | Team Project
- Designed and developed a full-stack health record management platform enabling doctors and patients to manage and access medical data securely.

Player Engagement Prediction – Python, scikit-learn　　　　Spring 2025 | Team Project
- Built and validated a machine learning model to predict player engagement using features such as session duration, frequency of play, in-game purchases, rank, and social interactions.

CVision – AI-Powered CV Critic – OpenAI API, PyMuPDF, Streamlit　　　　Summer 2025 | AI Bootcamp Project
- Collaborated in an advanced AI Bootcamp covering ML, MLOps, automation, and cybersecurity.
- Built an LLM-based résumé tool delivering structured feedback on clarity, formatting, and impact.
- Tested by 200+ users, improving résumé clarity scores by 25%.

TechApp – Angular, Node.js, MongoDB, Mongoose　　　　Fall 2024 | Team Project
- Built a social media web application for technology enthusiasts featuring real-time chatting and a dynamic content feed.

Leadership & Activities

- **AUB Computer Science Student Society (CSSS):** Served as Junior Representative, coordinating events and representing student interests within the department.
- **Tutor – AUB USAID Computer Science Students:** Mentored 15+ students across multiple semesters in Java and object-oriented programming, leading weekly problem-solving and exam-prep sessions.
- **USAID University Scholarship Program (USP):** Trainings on job readiness, entrepreneurship, communication, public speaking, and stress management.
- **Community Engagement:** Volunteered with ABLE Summit and Ward NGO, supporting inclusion and family aid initiatives.

Skills

- **Testing & QA:** Test Case Design & Execution, Skwid, Cypress, Postman, GitHub Actions (CI/CD), Agile/Scrum
- **Languages & Frameworks:** Python, Java, JavaScript, TypeScript, Angular, React, Node.js, Spring Boot
- **AI & LLMs:** Prompt design, OpenAI API integration, generative AI experimentation, PyMuPDF, Streamlit
- **Databases & Tools:** MongoDB, MySQL, Oracle Data Modular, Git, Excel, Microsoft Office
- **Soft Skills:** Communication, teamwork, leadership, adaptability, multitasking, time management.