Salem Basahi

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EDUCATION

Asia Pacific University of Technology & Innovation   **March 2023 – March 2026**
De Montford University
Bachelor of Science (Honours) in Computer Science | **CGPA: 3.53/4.0**

WORK EXPERIENCE

Frystmat MENA Foods AB   **Jan 2025 – May 2025**
IT Intern   *Istanbul, Türkiye*

- Managing and maintaining office network infrastructure and system administration tasks.

- Implementing and documenting automated solutions for routine system maintenance tasks using Ansible.

- Maintaining and updating the company website content management system.

- Creating and supporting technical security implementation and documentation for systems and procedures.

LEADERSHIP EXPERIENCE

APU Red Hat Club – Asia Pacific University of Technology & Innovation

Secretary   **August 2024 - December 2025**

- Organized and facilitated club meetings, managing communication between members and faculty advisors to ensure smooth operations
- Led the planning and execution of club events, workshops, and Linux system administration bootcamps, boosting member participation and engagement.

APU IEEE Student Branch – Asia Pacific University of Technology & Innovation

Head of Educational Activities   **August 2024 - December 2025**

- Designed and coordinated technical workshops, hackathons, and coding competitions, fostering student interest
- Collaborated with industry experts and guest lecturers to deliver educational content, enhancing the technical skill set of IEEE Student Branch members.

PROJECTS

Lighthouse Emergency Response (Final Year Project)   **January 2026**
- Cross-platform emergency response app built with Flutter and Firebase, enabling real-time coordination between citizens and emergency services with GPS tracking and interactive route navigation.
- Integrated WebRTC video/voice calls via LiveKit, end-to-end encrypted medical information storage (AES-256-CBC), and two-factor authentication (TOTP + Email/SMS) using Twilio and Resend APIs.
- Implemented Firebase Cloud Functions for secure backend processing, and role-based access control.

Rust-Based Real-Time CubeSat–Ground Control Simulation   **August 2025**
- Developed a Rust-based real-time coordination system between a CubeSat and Ground Control Station using Tokio.
- Implemented prioritized task scheduling, fault recovery, and low-latency telemetry/command exchange. Benchmarked jitter, drift, and CPU utilization to ensure reliable real-time performance.

CERTIFICATIONS

- **CCNA: Introduction to Networks**	- **CompTIA A+ Networks**
- **CCNA: Network Security**	- **Complete Flutter Development Bootcamp**
- **RH134: Red Hat System Administration II**	- **Intercultural Awareness & Cultural Diversity**

SKILLS & LANGUAGES

- **Technical Skills: C/C++, Java, Python, SQL, Flutter, Rust, Go, React, TypeScript, System Administration, Network Administration, Project Management, System Development Life Cycle, Git, Red Hat Enterprise Linux (RHEL), NI LabView, Adobe Creative Cloud.**
- **Soft Skills: Leadership Skills, Decision Making, Problem Solving, Critical Thinking, Interpersonal Skills, Communication Skills, Public Speaking, Inquisitive Mindset.**
- **Languages: English (8.0 IELTS), Arabic (Native), Turkish (Intermediate)**