

Isa Alburshaid

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EDUCATION

Bahrain Polytechnic – Faculty of Engineering

Bachelor of Electronics Engineering

Minnesota State University, Mankato – Exchange Semester (Jan 2025 – May 2025)

Undergraduate Research Assistant – Parallel Computing

Supervisor: Prof. [He, Nancy]

- Conducted research on optimizing computational performance using CPU and GPU-based parallel processing
- Implemented parallel algorithms in C++ and CUDA for matrix operations and data-intensive tasks
- Analyzed speedup and scalability on multi-core and GPU-enabled systems
- Contributed to benchmarking tests and performance visualization
- Presented research findings in lab meetings and compiled technical documentation

CERTIFICATIONS & TRAINING

- **Global UGRAD Exchange Program**
- iOS Development Program (1 year)
- Certified iOS App Developer
- Microsoft Power BI Data Analyst (PL-300)
- Flutter Cross-Platform Developer
- Zain Youth Development Program

EXPERIENCE

BNET – Corporate Security Department (Internship)

- Worked on telecom-related cybersecurity and access control procedures
- Gained exposure to infrastructure protection and enterprise network security

D11 Hub – Intern (3 Months)

- Assisted in digital product development and software documentation
- Supported frontend testing and bug reporting in startup-style environment

Clever Play – STEM Facilitator

- Tutored over 700 students in various STEM subjects across leading institutions and events:
 - Ithra (Aramco), British School Bahrain, Ibn Khaldoun National School, City Center Bahrain, MKH (AlMabarrah AlKhalifia Foundation)
- Delivered hands-on sessions in HTML, CSS, and JavaScript, tailored to age and skill level
- Designed and implemented engaging STEM curricula for diverse age groups
- Fostered a positive, inclusive learning environment, adapting methods to various learning styles
- Guided students through real coding projects and troubleshooting sessions

BAB EL BAHRAIN / Gate E – Flutter Developer Intern

- Independently developed 10 complete applications using the Flutter framework
- Integrated payment gateway systems into apps for seamless transactions
- Built and deployed custom websites for clients, complementing app functionality
- Achieved advanced proficiency in Flutter, creating responsive, cross-platform solutions
- Combined design and functionality for a smooth UX/UI experience

Zain Youth Development Program – Intern

- Participated in cross-functional innovation workshops and project-based learning
- Engaged in business development, digital transformation, and customer-centric design

AIESEC – Intern (Global Volunteer Program)

6-Month Program

- Participated in cultural exchange and community development initiatives
- Collaborated with global teams to deliver workshops and local impact projects

LEADERSHIP & EXTRACURRICULAR ACTIVITIES

Bahrain Polytechnic Culture and Language Club

President | Financial Treasurer

- Attended the *King Hamad Global Centre for Peaceful Coexistence* Conference
- Nominated to attend *National Space Science Agency (NSSA) Workshop*
- Planned and executed 5+ campus-wide cultural and educational events
- Coordinated full event logistics—from planning to execution—ensuring a successful attendee experience

Bahrain Polytechnic Volunteering Club

- Participated in university volunteering initiatives and service-based events

IEEE – Student Member

- Active member of the *Institute of Electrical and Electronics Engineers (IEEE)*
- Attended IEEE workshops, conferences, and technical seminars
- Engaged with global engineering community