



# Abdulla Abdulrahman Y. Al Bassam

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## EDUCATION

**Northumbria University, Newcastle**

**Expected: July 2026**

BSc (Honors), Networks and Cyber Security

Predicted: 1<sup>st</sup> Class Honours

**Kings College London**

**June 2023**

Foundation Year

Economics and Mathematics

**Modern Knowledge Schools, Bahrain**

**May 2022**

American High School Diploma

GPA: 98%

## PROFESSIONAL EXPERIENCE

**IT Intern | Fundament SPC | Jun – Aug 2025**

- Assisted with basic IT hygiene tasks such as patching/updates, access role checks, and routine backup/restore checks to support operations.
- Provided first-line support for common office tech issues and escalated when necessary.

## TECHNICAL SKILLS

**Languages and Scripting:** Python, PHP (strong); JavaScript/TypeScript, SQL, HTML (familiar)

**Virtualisation and Containers:** Docker, UTM (Linux VMs)

**Security and Networking:** Wireshark, Burp Suite, Nmap, Snort, iptables, Hydra; GNS3, Cisco Packet Tracer

**DFIR and API tools:** Autopsy, FTK Imager, Volatility 3, Postman

**ML/Data:** Jupyter, pandas, NumPy, scikit-learn (familiar); Pytorch/Transformers/TextAttack (learning)

## UNIVERSITY PROJECTS

**Adversarially Robust ML-Based Spam Detection in Secure Mail Pipelines | Bachelor's Dissertation | Sep 2025 – May 2026 – *In progress***

- Developing an end-to-end secure email system with an embedded spam-filtering layer, including model training/benchmarking (baseline vs transformer-based) and deployment/integration into the mail server pipeline, tested for adversarially crafted spam robustness.

**Enterprise Networking | Oct 2025 – Jan 2026**

- Designed and simulated a multi-site enterprise WAN in GNS3 using an MPLS VPN core with dynamic routing, delivering site-to-site connectivity across multiple branch networks plus an additional direct VPN link between critical sites, with selective IPsec encryption applied to sensitive subnets to balance security and performance.
- Modelled database server placement based on link distance/bandwidth, enforced least-privilege access implemented network segmentation to restrict cross-department traffic, and configured an efficient IP addressing plan with DHCP, validated through end-to-end connectivity and security verification.

**Penetration Testing and Defensive Security | Jan 2026 – May 2026 – *In progress***

- Conducted vulnerability assessment of a VM and OWASP Juice Shop using Nmap and Burp Suite, reported findings, impact, and remediation actions.
- Implemented defensive controls (iptables rulesets, Snort IDS/IPS rules, OS hardening) and executed controlled credential testing with Hydra.

**Digital Forensics Investigation | Feb 2025 – May 2025**

- Analysed a disk image + RAM dump using Autopsy/FTK Imager, extracting and correlating artefacts to support an investigative narrative.
- Produced a structured, defensible report using evidence tagging and clear documentation, applying appropriate forensic procedures and legal/procedural considerations when evaluating findings.

**System Architecture | Sep 2024 – Apr 2025**

- Designed and implemented a secure, object-oriented REST API in PHP with an SQLite database for a multi-platform academic conference system, following industry coding and implementation standards.
- Applied backend architecture and quality practices including a front controller + .htaccess clean URLs, autoloader/exception handling, API key auth via headers, and input sanitisation; documented the API and tested requests using Postman.

## PERSONAL PROJECTS

**Sweaty: Game Discovery and Social Tracking App for Gamers | Oct 2025 – Present**

- Built a cross-platform iOS/Android app featuring reviews/ratings, activity logging, curated lists, and a real-time social feed.
- Developed and deployed full-stack functionality using React Native (Expo) and Supabase (Postgres, Auth/OAuth, Storage), plus a Next.js landing page on Vercel; integrated OpenAI-powered recommendations and external library imports (Steam, Xbox, PS).

## INDUSTRY CERTIFICATIONS

- CCNA: Enterprise Networking, Security, and Automation – Cisco, Jan 2026
- Certified in Cybersecurity (CC) – ISC<sup>2</sup>, Aug 2025
- Junior Penetration Tester (eJPT) – INE, *In progress*