# ABDULLAH TOMEH

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## PROFILE

Second-year BSc (Hons) Cyber Security & Forensic Computing student at the University of Portsmouth seeking a year-long cyber security or IT placement. Practical work in digital forensics, network analysis and a Proxmox home lab, alongside a software development industry placement.

## EDUCATION

### University of Portsmouth | 2025 - 2029 (expected)

BSc (Hons) Cyber Security & Forensic Computing | NCSC-certified degree

**Current second-year modules (2026/27)**

- Forensics Fundamentals: Examined NTFS file structures with FTK Imager and HxD, and reviewed Windows forensic artefacts in Autopsy case exercises.
- Operating Systems and Internetworking: Calculated subnets and VLSM allocations, and traced resource allocation diagrams to identify deadlocks.
- Virtualisation and Cloud Design: Created virtual machines and tested virtual networking in guided VMware and VirtualBox practicals involving Rocky Linux.

**Completed first-year modules (2025/26)**

- Architecture and Operating Systems: Solved exercises on binary arithmetic, logic gates and Boolean algebra; covered memory systems, the fetch-execute cycle and process scheduling.
- Core Computing Concepts for Cyber Security: Studied decision-making algorithms in AI and Ethics, alongside web development, access control, cryptography, risk management and SQL.
- Cyber Security and Forensics Essentials: Practised acquiring digital evidence from hard disks and USB drives and explored file carving. Identified services with Nmap, tested SQL injection in DVWA using SQLmap and analysed FTP and HTTP traffic in Wireshark.
- Networks: Built virtual networks in VMware with Rocky Linux, carried out routing exercises and configured DNS, IIS and FTP in Windows Server labs.
- Programming 1: Created a Python Patchwork graphics project, arranging shapes and positions within a graphics window.
- Programming 2: Applied object-oriented programming with classes and objects, including exercises written in Dart.

### Chichester College | September 2023 - June 2025

T Level Digital Production, Design & Development - Merit

### The Regis School

GCSEs: Maths 7; Combined Science 5-5; Product Design 5; English Language and Literature 4.

## TECHNICAL SKILLS

- Security and forensics: Nmap, Wireshark, SQLmap, FTK Imager, HxD, Autopsy and UFW.
- Systems and virtualisation: Ubuntu, Rocky Linux, Windows Server, VMware, VirtualBox, Proxmox VE and OPNsense.
- Programming and development: Python, Dart, C#, basic HTML and CSS, Git, GitHub and VS Code.
- Server services: DNS, IIS, FTP, SSH and Apache in university lab environments.
- Office applications: Microsoft Word, Excel, PowerPoint and Outlook; Google Docs, Sheets, Slides and Drive.

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## PROJECTS

### Home lab - Proxmox VE and virtual networking | October 2026 - Present

- Built a Proxmox VE lab on an HP EliteDesk, with OPNsense and separate networks for management and lab systems.
- Configured firewall rules to keep lab traffic separate from the home network.
- Set up Checkmk monitoring for five Proxmox guests and related services.

## RELEVANT WORK EXPERIENCE

### Junior Full-Stack Developer | Synthosense AI | November 2024 - April 2025

T Level industry placement on a software prototype covered by a non-disclosure agreement (NDA).

- Discussed prototype plans and screen layouts with four other team members.
- Designed and built interface components, keeping layouts consistent and easy to follow.
- Revised interface screens after feedback and checked the changes during development.
- Recorded project progress and changes to the prototype.

## OTHER WORK EXPERIENCE

### Warehouse Operative | John Wiley & Sons | September 2026

Agency assignment through The Best Connection.

- Learnt to use the warehouse workstation system to scan incoming stock and print labels showing where items should be stored.
- Used location labels to retrieve items, then scanned and prepared orders for dispatch.
- Followed instructions for lifting and carrying boxes safely and stayed alert around moving forklifts.

### Electrician Assistant | Yasmeen Property Services | March 2023 - February 2024

- Prepared and organised tools and materials for the supervising electrician before jobs.
- Ran cables between points under supervision, following instructions and keeping the work area tidy.
- Removed old sockets as directed and refitted covers only after the electrician finished testing.

## TRANSFERABLE SKILLS

- Communication: Explained interface decisions in plain language to people without a technical background.
- Problem-solving: Investigated home lab connection problems by checking IP addresses, firewall rules and virtual machine settings.
- Organisation and attention to detail: Documented IP addresses and subnets in NetBox to keep track of the lab networks.
- Following instructions and safety: Followed university lab sheets and workplace safety instructions during warehouse and electrical jobs.

## INTERESTS AND ACTIVITIES

- IT Society: Took part in a TryHackMe Capture the Flag event and attended Hack Pompey 2025 as an observer.
- Airsoft: Member of the University of Portsmouth Airsoft Society.
- Fitness: Gym training to improve strength and stamina.

## ADDITIONAL INFORMATION

Aico City & Guilds AA2426-01 certificate (August 2024) | English and Arabic | Full, clean UK driving licence and own car.

REFERENCES AVAILABLE UPON REQUEST