

FADIL H. BANTAN

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OBJECTIVE

Computer science student with practical experience building software projects, including a mind-mapping web app and a full CLI simulator. Comfortable working with Python, JavaScript, and Linux to create reliable, problem-solving tools. Looking to contribute to a technical team by writing solid code and learning through hands-on engineering.

EXPERIENCE

Data Entry & Analyst

Blue Martini Group | West Quay Ice Rink | Southampton, United Kingdom September 2023 – May 2024

- Tracked hourly attendance and capacity using structured Excel sheets with formulas and validation for accurate reporting.
- Delivered insights that improved guest-flow efficiency by ~15 percent and enabled smoother rink scheduling

EDUCATION

BSc Computer Science

Arab Open University | Jeddah, Saudi Arabia September 2025 – June 2027

- Studying core CS subjects including algorithms, data structures, operating systems, networking, and database.
- Gaining exposure to cybersecurity fundamentals and introductory IoT concepts.

Software Engineering

University of Southampton | Southampton, United Kingdom September 2022 – June 2025

- Completed foundational CS coursework in programming, algorithms, logic, discrete mathematics, and software development practices.
- Built software projects using Python, Java, SQL and NoSQL, applying Object Oriented Programming, modular design, error handling, version control, and file I/O.
- Gained hands-on experience with Linux command-line tools, including Docker, pipes, filters, process management, permissions, and shell scripting.

PROJECTS

[QuickMind](#) | Mind Mapping Web App

JavaScript, Python, HTML/CSS

- Built a mind-mapping tool with rapid idea input, keyboard shortcuts, and drag-and-drop node linking.
- Implemented custom data structures and layout rules to support scalable, real-time map editing.
- Ranked 4th place (solo) in a 3-day hackathon (boot.dev Hackathon 2025).

[Hacker](#) | Terminal-Based Hacker Simulator

Python, rich, alive-progress, CLI design

- Built a full interactive CLI simulation with typewriter effects, progress bars, REPL interface, and command parsing.
- Implemented reusable UI components using Rich for colors, tables, and stylized output.
- Packaged with a clean entry point, argument handling, and cross-platform support.

ACHIEVEMENTS

- Completed an Object Oriented Programming course in Python, covering classes, inheritance, encapsulation and design principles (1 August 2025).
- Completed a 10-hour applied Linux fundamentals course (20 July 2025).
- Volunteered and Participated in the Powering Tomorrow conference at Oxford University featuring HRH Prince Khalid Bin Bandar Al Saud (30 July 2024)
- Served on the executive organizing team for the Horizons Scientific Forum at Cambridge University, working under the leadership of Amal Fatani, the Cultural Attaché of Saudi Arabia, in partnership with the National Center for Wildlife (November 2023).