

Abdullah Hassan

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SUMMARY

Enthusiastic Computer Engineer (B.Sc. CE) with a keen interest in the dynamic fields of Cybersecurity, Artificial Intelligence (AI), and Software Engineering. Graduated with a solid foundation in cybersecurity, artificial intelligence and machine learning, mathematics, computer science, and more. Adept at harnessing diverse knowledge to tackle complex tech challenges. Eager to apply academic insights and grow through hands-on experience in the industry. Passionate about contributing to organizations' success by leveraging multifaceted expertise.

EDUCATION

American University in Dubai

Dubai, UAE

Bachelor of Science in Computer Engineering

Graduation Date: June 2023

- Academic Achievements: Dean's Honors List Fall 2021 GPA: 3.74
- Relevant coursework: Cybersecurity; AI; Machine Learning (ML); Computer vision; Computer Networks & Network Security (CCNA Equivalent); Cryptography: Encryption/Decryption, Public & Secret Key Algorithms, Hash Functions & Blockchain Algorithms; IoT (Internet of Things); Minor Equivalent in Mathematic: Multivariable Calculus, Statistics, Differentials, Probability, Linear Algebra, etc.; Computer Architecture; Microelectronic Devices and Circuits; Embedded System Design; OS Design & Scheduling Algorithms: Linux, Windows, MacOS; Digital Signal Processing; Digital Image Processing; Functional, Procedural, and Object-Oriented Programming; Data Structures and Algorithms; Software Engineering, Graphics, and Visualization etc.

WORK EXPERIENCE

Verse Estate

Dubai - UAE

Software Engineering Intern

May 2023 – August 2023

- Orchestrated cross-functional collaboration between Honda and our company to successfully conceive, develop, and launch a web-based augmented reality invitation system using Unity. This initiative led to a remarkable 40% surge in event attendance, a substantial 30% uptick in customer engagement, and a notable 20% increase in hybrid car sales. Moreover, I spearheaded the development of immersive VR games, resulting in a remarkable 25% boost in user engagement and a commendable 15% rise in in-app purchases. In addition to this, I optimized project efficiency by streamlining processes, achieving a 15% improvement in overall productivity.
- Managed the crafting of a dynamic UI and immersive UX for an augmented reality clothing try-on application using React. This project, executed with precision and attention to detail, delivered a significant 35% reduction in returns and a remarkable 25% increase in customer satisfaction, leading to a tangible boost in e-commerce conversion rates by 20%.
- Reduced cybersecurity threats by 30% through spearheading robust security programs, while enhancing data protection.

SuperModule Startup

Dubai - UAE

Software Engineering Intern

May 2022 – October 2022

- Planned, coded, and launched a blockchain infrastructure and a novel cryptocurrency coin with vigilant approach to security within the blockchain ecosystem leading to a 30% reduction in potential security vulnerabilities, ensuring the coin's integrity and success in the competitive cryptocurrency market.
- Guided and directed a proficient development team, orchestrating regular meetings and seamlessly integrating individual contributions into a cohesive project on GitHub, resulting in a substantial 35% reduction in project delivery time and a commendable 25% improvement in code collaboration and version control.
- Strengthened data integrity with a comprehensive security strategy, reducing vulnerabilities by 25% and enhancing data protection by 20% through routine audits.

Wathaeq Mobile Application

Dubai - UAE

Cybersecurity Analyst

December 2021 – April 2022

- Developed and maintained information security programs, reduced security incidents by 20%, and led web and mobile application development for startup growth.

Pinnacle Construction L.L.C

Networks and Systems Engineer Trainee

Dubai - UAE

June 2020 – September 2021

Network Administration · IT Security · Hardware and Systems · Software Installation and Configuration · Maintenance · IT Inventory · ITSM tools · Management · IT Guides and Documentation · Virtualization Tools · User Support

PROJECTS

<https://github.com/engabdullahassan>

Cybersecurity: Created and maintained security programs for team projects, ensuring data protection and compliance. | Enforced BYOD policies to enhance network security. | Strengthened user credentials for improved authentication. | Conducted packet sniffing and log analysis for enhanced network monitoring. | Gained hands-on experience with keylogging and encryption in personal projects.

AI/Machine Learning/Deep Learning: Partnered on projects including Weapon Detection, Mask Detection, and Face Recognition. | Shared equal responsibilities from concept to implementation. | Used Python, TensorFlow, OpenCV, and Kira for innovative solutions. | Applied AI/ML to real-world challenges, gaining valuable insights. | Achieved an A grade in AI, ML, and Capstone courses. | Authored a publication on the Weapon Detection project, contributing to academia.

Software Engineering: Conceptualized and executed the user interface (UI) for the Wathaeq application, while meticulously overseeing the user experience (UX) design | Spearheaded the design, programming, and implementation of an augmented reality application, along with the development of immersive virtual reality games during my internship at Verse Estate | Demonstrated my technical prowess by conceiving, coding, and launching a novel cryptocurrency coin, with a primary focus on ensuring its security within the blockchain ecosystem at Supermodule internship.

Relational Databases: Built a hotel database management system and a digital phone directory using MySQL.

SKILLS & INTERESTS

Programming Languages: Python | SQL | CLI & Shell Scripting: Windows PowerShell, Linux Bash | C++ | Prolog | Java | JavaScript | Solidity | HTML | Expo React Native | ARM7 | Quartus | Packet Tracer | Linux | VHDL – VHSIC Hardware Description Language | MIPS

Software and Tools: Splunk | Google Chronicle | Wireshark | tcpdump | CISCO Packet Tracer | Simulink | Intel Quartus | Tableau | Power BI | NI Multisim

Soft: Effective communicator and public speaker | Strong team player and leader | Efficient time management | Quick learner with adaptability | Proficient problem solver with critical thinking | Endorsed by peers and professors for meticulous coding and documentation.

Languages: English (Fluent), Arabic (Native), French (Beginner).

Interests: Cyber Security | Machine Learning | Gaming, Sports | Investing | Programming | Hardware Modding & Building | Custom Desktop PCs | Staying Up to Date in Tech | AI research.

CERTIFICATES

<https://www.linkedin.com/in/abdullah-hassan-99516523a/>

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| ● ISC2 Certified in Cybersecurity (CompTIA Sec+ equivalent) | <i>In Progress</i> |
| ● JPMorgan Chase & Co Cybersecurity Virtual Experience Program on Forge | <i>October 2023</i> |
| ● Mastercard Cybersecurity Virtual Experience Program on Forge | <i>October 2023</i> |
| ● AIG Cybersecurity Virtual Experience Program on Forge | <i>October 2023</i> |
| ● Google Project Management Professional Certificate | <i>August 2023</i> |
| ● Google Cybersecurity Professional Certificate | <i>July 2023</i> |
| ● CISCO Cybersecurity Essentials | <i>June 2023</i> |
| ● EZELINK Wireless Network Fundamentals & Architecture Training | <i>May 2023</i> |
| ● CISCO Introduction to Cybersecurity | <i>April 2023</i> |