

HESSA ALMAAZMI

ARTIFICIAL INTELLIGENCE | CYBERSECURITY | COMPUTER SCIENCE PROFESSIONAL

Phone: [+971 58 892 1384](tel:+971588921384) | Email: uzumaki-naruto200o0@hotmail.com

Location: UAE | LinkedIn: <http://www.linkedin.com/in/hessa-almaazmi77>

PORTFOLIO

- **Best E-Portfolio 2022** : <https://hessaalmaazmiportfolio.netlify.app>
-
- **Traffic Incidents in Dubai**: <https://trafiq.onrender.com/>
-
- **Best Ministry Project** :
<https://hessa-ai-finalproject.netlify.app/>

Library Management System :<https://main--hessa-hci.netlify.app/>

Dubai Police PowerBI :

<https://app.powerbi.com/view?r=eyJrIjoieNGEwNTFmNDQ0ZjZkOC00NjRhLWZlNDAtZTFjODFOTAA2ZjRiIiwidCI6ImMyNzQ4NDI2LWQ1NTI0NDQ5OS04NTMyLTUyMDRjMzE0NWYxZSJ9&pageName=cadc2f13e9f6bd633272>

PROFESSIONAL SUMMARY

Innovative and results-oriented professional specializing in Artificial Intelligence, Cybersecurity, and Computer Science. Experienced in leading advanced technological projects, data visualization, and digital transformation initiatives. Skilled in leveraging Power BI, Python, and Tableau for impactful data analytics and visualization. Recognized for delivering innovative solutions, including blockchain development, GIS mapping, cybersecurity frameworks, and AI-powered applications.

CORE COMPETENCIES

- Artificial Intelligence & Machine Learning
- Cybersecurity & Threat Analysis
- Blockchain Technology & NFT Development
- Data Analytics & Visualization (Python, SQL, Tableau, Power BI)
- Front-End Development (HTML5, CSS3, JavaScript)
- Responsive Web Design & UI/UX Design
- Agile Project Management & Collaboration
- Geographic Information Systems (GIS) & Mapping Solutions
- Digital Transformation & Strategic Innovation
- Operating System Scalability & Banking Infrastructure Analysis Leadership in
- Technology-driven Educational Initiatives

EXPERIENCES

Software Engineer Intern

Ministry of Education, UAE | 2023 (Tokeniz-ed L.L.C-FZ collaborated with the Ministry of Education on Education Transformation and NFT Innovation)

- Spearheaded the development of an interactive map clustering solution for UAE schools using Python, PostGIS, and Leaflet.js.
- Conducted data analysis and visualization using Power BI, Python, and Tableau, delivering dashboards for educational decision-making.
- Collaborated with cross-functional teams to deploy AI-powered applications enhancing accessibility and resource optimization.
- Contributed to the Education Transformation Initiative by Tokeniz-ed L.L.C-FZ, focusing on NFT innovation and tokenizing educational assets.
- Designed strategies for developing user-friendly NFT platforms, showcasing the transformative potential of blockchain in education. of Education, UAE* | 2023
- Spearheaded the development of an interactive map clustering solution for UAE schools using Python, PostGIS, and Leaflet.js.
- Conducted data analysis and visualization using Power BI, Python, and Tableau, delivering dashboards for educational decision-making.
- Collaborated with cross-functional teams to deploy AI-powered applications enhancing accessibility and resource optimization.
- Conducted data analysis and visualization using Power BI, Python, and Tableau, delivering dashboards for educational decision-making.
- Collaborated with cross-functional teams to deploy AI-powered applications enhancing accessibility and resource optimization.

Cybersecurity Trainee

Etisalat Academy for Cybersecurity | 2022

- Participated in advanced training in encryption techniques, network security, and cybersecurity frameworks. Achieved victory in a Capture the Flag (CTF) competition organized by the Ministry of Cybersecurity.
- Engaged in simulations addressing real-world cybersecurity threats, honing penetration testing and risk assessment skills.
- Contributed to a project on penetration testing, vulnerability assessments, and incident response using tools like Splunk, Nessus, and Nmap.

AI Project Lead

University Project | 2022

- Directed a team to develop a Face Detection System, which received first-place recognition for its innovative algorithm and accuracy.
- Implemented A* and UCS algorithms for search optimization as part of AI-focused coursework. Developed an innovative library management system PWA, enhancing usability and accessibility for users.

Blockchain Coach

Independent Initiative | 2021

- Delivered coaching sessions on blockchain technology, including NFT creation, smart contracts, and decentralized applications.
- Supported participants in implementing blockchain-based solutions, enhancing their technical expertise.

Web3 Participant Show (Metaverse Fashion Show VR)

RUBU' Al Qarn | 2021

- Conceptualized and executed a virtual fashion show using NFTs, earning recognition for innovation in digital platforms.
- Managed event logistics, technology platforms, and audience engagement strategies, securing two internship opportunities.
- Completed the Science and Technology Program Web 3.0 Pack from 30th July to 8th August 2022, which included pioneering work on the Metaverse Fashion Show.
- This program was completed under the patronage of Her Highness Sheikha Jawaher bint Mohammed Bin Sultan Al Qasimi, Wife of His Highness the Ruler of Sharjah, showcasing excellence in combining technology and creativity for impactful virtual events.

Software Development Intern

Academic Projects | 2020

- Developed "Rover," an AI-powered online travel reservation system with intelligent recommendation features.
- Conducted an Operating System Scalability Analysis for banking infrastructure, providing recommendations for high-performance environments.

Freelance | 2018 – Present

- Created an interactive data visualization project on Traffic Incidents in Dubai, analyzing trends and identifying hotspots using Power BI and Python.
- Designed GIS mapping for UAE schools, integrating data visualization tools to optimize resource allocation..

Full Stack Developer

Udacity – 1M Arab Coders Initiative | 2020

- Completed a front-end development internship, focusing on creating responsive web designs using HTML5, CSS3, and JavaScript.
- Contributed to competitive projects, including a dynamic website recognized for outstanding design quality.

Data Analysis Track

Udacity – 1 Million Jordanian Coders program | 2019

- I gained expertise in data preprocessing, analysis, and visualization techniques. Utilized tools such as Python and SQL to manage and interpret complex datasets, contributing to actionable insights and decision-making in projects.

ACADEMIC HISTORY

North State University | 2022-2026

Bachelor's in Computer Science, Accredited in AI

Alghurair Academy and Sprints Company| 2023-2024

- Nomu Cybersecurity Diploma Bootcamp

CERTIFICATION

Certified Ethical Hacker (CEH) Trainee

Certificate of Attendance – Introduction to Penetration Testing

Certificate of Attendance – Finding Your First Flag
Etisalat Academy Cybersecurity Program

Google Data Analytics Professional Certificate

K7 Cyber Security Awareness Program

Science and Technology Program – Web 3.0 Pack

Udacity Full stack Certification – 1M Arab Coders Initiative

Udacity Data Analyst Certification – 1M Jordanian Coders Initiative

Certified Blockchain Professional (in progress)

One Million Prompters (in progress)

Certified Ethical Hacker Exam (CEH) (in progress)

BEST PROJECT HIGHLIGHTS

- **Traffic Incidents in Dubai:**
- Developed a Power BI dashboard analyzing traffic patterns, accident trends, and hotspot identification. Provided actionable insights for urban planners to enhance safety measures and traffic flow.
- **Face Detection System:**
- Led a university team to design and implement an award-winning AI-powered facial recognition system. Conducted algorithm research, testing, and optimization, earning first-place recognition for innovation and accuracy.
- **GIS Mapping for UAE Schools:**
- Created an interactive map clustering system using Python, PostGIS, and Tableau. Enhanced educational resource allocation by visualizing school locations and demographic trends.
- **AI Travel Reservation System ("Rover"):**
- Designed and deployed a Java-based AI travel platform featuring intelligent recommendations and a userfriendly interface. Improved user experience and travel booking efficiency.
- **Metaverse Fashion Show:**
- Organized a groundbreaking virtual fashion show leveraging NFT technology. Managed all aspects of the event, including NFT development and audience engagement, securing widespread acclaim and internship opportunities.

- **Operating System Scalability Analysis:**
- Conducted a comprehensive analysis comparing Red Hat, Windows Server, and Oracle Solaris for banking infrastructure. Provided recommendations for scalable and high-performance solutions.
- **Library Management System:**
- Developed a progressive web application (PWA) for a university library, integrating advanced search and book borrowing features.
- **Collaborative Pacman AI Project**
- Designed and implemented a multi-agent Pacman AI system using A* and Expectimax algorithms.
- Focused on advanced AI functionality and game theory, showcasing efficient algorithmic strategies.
- **Cluster Map for UAE Schools**
- Designed a GIS-powered cluster map for UAE schools, providing geographical insights into school locations. Utilized the tool for strategic educational resource allocation and planning.
- **Dubai Traffic Incident Visualization**
- Created interactive dashboards using Tableau and Vega-Lite to analyze traffic patterns and hotspots. Delivered actionable insights to improve road safety and traffic management strategies.
- **Blockchain-Based Educational Resource**
- Conceptualized and developed blockchain applications for secure student credentialing and resource sharing in the education sector.
- Applied Web 3.0 technologies to enhance the reliability and transparency of educational platforms.
-

TECHNICAL SKILLS

- **Programming Languages:** Python, Java, C++, SQL
- **Web Development:** HTML5, CSS3, JavaScript, React.js
- **Data Tools:** Power BI, Tableau, Pandas, NumPy, PostGIS
- **Cybersecurity:** Threat Analysis, Network Security, Penetration Testing
- **Design Tools:** Adobe Creative Suite, Figma, Canva, Twinmotion
- **Blockchain & Metaverse:** NFT Development, Virtual Event Platforms

AWARDS & RECOGNITION

- **Arab Youth Fellowship:** Recognized by [Her Excellency Shamma bint Sohail Faris Al Mazrui](#), [His Excellency Dr. Mohamed Al-Kuwaiti](#), and [His Highness Sheikh Rashid bin Humaid Al Nuaimi](#) for outstanding contributions to education and technology innovation.
- **Capture the Flag (CTF) Winner:** National-level cybersecurity competition by Ministry of Cybersecurity.
- **Top-40 in Cybertalent Competition:** Recognized as one of the top competitors in the Arab World.
- **Regional Project Champion:** Secured victories in UAE and Gulf-wide technology competitions.
- **Best Software Project:** Honored for developing "Rover," an AI-driven travel platform.
- **Best Responsive Website:** Recognized for outstanding web design during a competitive event.
- **Outstanding Performance Certificate:** Awarded for pioneering face detection technology during university projects.

Thursday, 06 February 2025

To Whom It Make Concern

I am writing to confirm that the British University in Dubai has no objection to the following student undertaking an internship during the Academic Year 2024/2025 (Internship programme for 16 Weeks) from 14 April 2025 – 4 August 2025

Name: Hessa Almaazmi

Student ID Number: 22001217

Programme: Bachelor of Science in Computer Science

Please note that:

- It's the responsibility of the student to ensure that they continue to satisfy the University's enrolment and academic requirements.
- The start date and duration of the internship should be agreed between the student and the company.

This letter is issued on student's request.

Yours sincerely,



Mira Hamzeh
Head of Marketing, Admissions & Student Services
The British University in Dubai



Recommendation Letter

To the Internship Program,

On behalf of Rubu Qarn STEM, we would like to recommend Hessa Almaazemi, participant of the Web 3.0 pack within RQ STEM Summer Programs, dated 30th July-8th August 2022. The program provided participants with opportunities to discover and develop foundational knowledge in NFTs, Metaverse & Cybersecurity.

During the program, Hessa displayed high engagement and commitment, as well as advanced ability, particularly with respect to Metaverse & world-building. She was highly lauded by our expert facilitators, and was further offered an internship at one of our partner companies based on her performance within our program.

We are pleased to support Hessa on her application.

Best regards,

A handwritten signature in black ink, appearing to be "Khalid Al Nakhi", is positioned below the "Best regards," text.

khalid Al Nakhi
Director, Sharjah Capability Development (subsidiary of Rubu Qarn)



Sept 5th, 2022

To Whom It May Concern:
Internship Program
UAE

Letter of Reference for Hessa Almaazmi

Dear Sir/Madam,

Hessa Almaazmi participated in a groundbreaking pilot for a Metaverse Academy on or about August 1, 2022 powered by Gleac. The academy focused on NFTS with a deep dive into utility NFTS- designing, implementation in the marketplace, community and DAOs and GTM.

Hessa Almaazmi stood out from her classmates in her presentation to demonstrate her learning with a very sophisticated AR/VR experience in the Metaverse. She took the initiative on her own to figure out how to build an experience vs putting up a power point and explaining demonstrating creativity, thinking on her feet, critical thinking, and an entrepreneurial spirit.

It is for this reason we are recommending her to your program. She will be an asset since she is genuinely interested in the space and naturally inclined and will learn very fast.

Please let us know if we can be of any other assistance. We wish Hessa Almaazmi the very best and look forward to hearing about her acceptance.

Warmly,

A handwritten signature in blue ink, reading "Sallyann Della Casa".

Sallyann Della Casa

Founder
www.gleac.com
T +971 0567549201
Hub 71, We Work, Abu Dhabi

To Whom It May Concern

It is with great pleasure that I write this letter to recommend Hessa Al Maazmi, a student who demonstrated exceptional performance in the modules she studied with me, including Software Engineering, Databases, Artificial Intelligence, and Human-Computer Interaction (HCI). Throughout these courses, Hessa consistently displayed a deep understanding of theoretical concepts and excelled in applying them to practical challenges. Her ability to integrate knowledge across these disciplines showed her analytical skills and her aptitude for interdisciplinary problem-solving.

Hessa's technical competence is complemented by her strong leadership capabilities and outstanding HCI project contributions. She skillfully designed personas that accurately captured user needs, reflecting her ability to empathize with end-users and think critically about design solutions. Moreover, she demonstrated mastery in utilizing various prototyping tools to create low-fidelity and high-fidelity prototypes, ensuring the final deliverables were functional and user-centered. Hessa's proactive approach to team dynamics and her ability to lead collaborative efforts were instrumental in the project's success, highlighting her potential as both a skilled professional and an inspiring leader.

I am confident that Hessa will excel in any opportunity she pursues and make a meaningful impact in her field.

Dr. Ahmed Awad

Associate Professor of Artificial Intelligence

The British University in Dubai

ahmed.awad@buid.ac.ae

