HESSA ALMAAZMI

ARTIFICIAL INTELLIGENCE | CYBERSECURITY | COMPUTER SCIENCE
PROFESSIONAL

Phone: +971 58 892 1384 | Email: uzumaki-naruto200o0@hotmail.com Location: UAE |
LinkedIn:www.linkedin.com/in/hessa-almaazmi77

PORTFOLIO

PRESS HERE

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

British University In Dubai| 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

1 Million Prompters

Science and Technology Program – Web 3.0 Pack

Udacity Full stack Certification – 1M Arab Coders Initiative

Udacity Data Analyst Certification – 1M Jordainian 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 user-friendly 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.
- **Muqabala – Interview AI Chatbot:**
- Developed an AI-powered interview preparation chatbot that simulates real-time interview scenarios. Integrated NLP and contextual response handling to provide personalized feedback, helping users improve confidence, communication, and readiness for job interviews.

TECHNICAL SKILLS

Programming Languages:
Python, Java, C++, SQL, Bash, JavaScript (ES6+), TypeScript

Web & App Development:
HTML5, CSS3, JavaScript, React.js, Node.js, Express.js, Firebase, Progressive Web Apps (PWA), RESTful APIs, Git & GitHub

Data & AI Tools:
Power BI, Tableau, Pandas, NumPy, Scikit-learn, OpenCV, TensorFlow, Keras, Matplotlib, Jupyter Notebooks, Vega-Lite, PostGIS, MySQL, PostgreSQL

Cybersecurity & Ethical Hacking:
Threat Analysis, Vulnerability Assessment, Penetration Testing, Network Security, Incident Response, Wireshark, Nmap, Nessus, Burp Suite, CEH Methodologies

UI/UX & Visual Design:
Figma,Canva, Twinmotion, Balsamiq, User Flow Mapping, Wireframing & Prototyping

Blockchain & Metaverse:
NFT Development, Virtual Event Platforms, Smart Contracts (Solidity Basics), Web3 Integration, AR/VR Experience Design, Metaverse Fashion Show Planning

Operating Systems & Virtualization:
Windows Server, Red Hat Enterprise Linux, Oracle Solaris, Ubuntu, VirtualBox, VMware, Docker (Basics)

Project Management & Collaboration Tools:
Notion, Trello, Jira, Slack, Microsoft Teams, Agile & Scrum Methodologies

Other Technical Skills:
Git Version Control, Command Line Interface (CLI), Data Cleaning, Data Visualization, Algorithm Design, AI Chatbot Development, Multi-Agent Systems

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.