Ruba Khalid Aloufi | Computer Engineering

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Profile Summary

Talented Computer Engineering graduate specialized in Data Analysis, AI, and Cloud Computing. Completed accredited courses and certifications in AI and data analytics and developed projects including a fraud detection ML model. Skilled in building dashboards, developing data-driven solutions, and supporting digital transformation. Passionate about enhancing organizational efficiency and contributing to innovative, scalable government digital services.

Education

Taif University - Bachelor of Computer Engineering   Aug 2020-Jun 2025
GPA 3.75 out of 4 with First Class Honor

Experience

Taif Municipality | Saudi Arabia

Trainee | Cooperative Training in Digital transformation agency   Jun 2024 – Aug 2024

- Contributed to real-world IT operations and supported administrative digital transformation projects.
- Identified, troubleshot, and resolved end-user technical issues efficiently.
- Participated in enhancing e-government services through process analysis and solution proposals.
- Developed Power BI dashboards and visual reports to track performance indicators and support operational decision-making.
- Assisted in cloud environment setup (Azure VMs) and applied basic security best practices for stored data.

Professional Certificates

- IELTS Certification   Sep 2025

Projects

- **Taif Hackathon Website**   May 2024
  - Tools: Adobe XD.
  - Designed and implemented the official website for Taif Hackathon, focusing on UI/UX design, functionality testing, and user experience optimization. [View Website]
- **Online Payments Fraud Detection using ML**   Aug 2024
  - Built a machine learning model using KNN to detect fraudulent online transactions. Preprocessed Kaggle dataset, engineered features, and applied evaluation metrics
- **Graduation Project – 1st Place Winner: Plan A**   Aug 2024 – May 2025
  - Developed a Digital Twin system for patient pain monitoring with 90% prediction accuracy.
  - Designed the database using MySQL.
  - Programmed the system (Front-End and Back-End) and integrated it with the database.

- **Awards & Achievements:**
  - 1st Place – Graduation Projects Competition, Taif University   Jun 2025
  - Top 30 Projects – Athka Competition by SDAIA 2025   Mar 2025
  - Research Paper Published – Smart Pain Estimation using Wearable Sensors & CNN, IJACSA,   Apr 2025
  - Patent Filed – Digital Twin Assistant for Spine Therapy, SAIP   Apr 2025

- **Skills**

-**Technical**

Python | C++ | PHP | JavaScript | HTML/CSS | SQL | Data Analysis | Machine Learning & Deep Learning | Power BI | Excel | Database Design (ERD) | Networking (Cisco Packet Tracer) | Azure & Oracle Cloud | hugging face |Docker | CI/CD| AI Agent |UI/UX | Figma

-**Soft**

Leadership and Supervision | Strategic Planning | Communication | Creativity | Adaptability | Problem Solving | Projects Management

Languages

Arabic / Native Language
English / Professional working proficiency