Haya Fawaz Al-Bogomi

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PROFILE

I am a Data Science graduate skilled in Python for exploratory data analysis and Power BI for creating insightful visualizations. I have a strong foundation in machine learning, with expertise in developing models for classification, regression, and clustering. My interests also extend to natural language processing (NLP) and deep learning with TensorFlow. I am passionate about leveraging data science and AI techniques to develop innovative solutions that drive business performance and support data-informed decision-making.

EDUCATION

2021/08 – present **Bachelor's Degree in Data Science and Analytics,**
Princess Nourah bint Abdulrahman University.
GPA : 4.06

PROJECTS

A Secure and Privacy-Preserving Transformer-Based Federated Learning Approach for Data-Driven Alzheimer's Disease Diagnosis, Graduation Project "Ongoing"
- This project develops a scalable, privacy-preserving AI framework for early Alzheimer's detection using medical data like MRI scans and cognitive tests. It aims to identify biomarkers before symptoms appear, enabling timely interventions, closing diagnostic gaps, and aligning with Saudi Arabia's Vision 2030 healthcare goals.

Predictive Maintenance in Manufacturing using federated learning and Machine learning, Research project
- Data Simulation and Privacy Impact Assessment in Federated Learning.

Asteroids Analytics About Our Ever-Evolving Planet, Machine learning Project
- This project develops a machine learning system to predict asteroid hazards, enhancing risk assessment and safeguarding life.

Netflix Dashboard, Business intelligence Project
- Creating dashboards to analyze user reviews and ratings helps Netflix identify popular genres, refine content strategy, and boost viewer engagement.

Diet and health, Information retrieval Project
- Assist users in finding practical tips on nutrition, fitness, and sleep for a healthier lifestyle by leveraging information from three documents and queries to deliver clear and actionable advice.

CERTIFICATES

- Google Analytics Certification

- Foundations: Data, Data, Everywhere Certification.

SKILLS

Soft Skills:
Teamwork, Communication, Critical thinking, and Research skills.

Technial Skills:
Programming Languages: Python, R, SQL.
Data Visualization Tools: Power BI, Weka.
Productivity Tools: Microsoft Excel, Word, and PowerPoint.

LANGUAGES

- Arabic.

- English.