

Norah Bin Mannie

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EDUCATION

PRINCESS NOURAH BINT ABDULRAHMAN UNIVERSITY

Bachelor of Science, Major in Data Science and Analysis, 4.97/5.0 GPA

Aug 2021 – Present

Relevant Coursework – Data Governance, Business intelligence, Data Mining, Machine Learning.

- Power BI Data Analyst Associate Certificate – Microsoft May 2024
- Data Analytics Certificate – Google Jan 2024
- Virtual Work Program as a Data Analyst – STC Sep 2023
- PL/SQL Developer – Oracle Oct 2022

EXPERIENCE

Intern at Oxford University, Lady Margaret Hall

Jun 2024 – Aug 2024

- Advanced an Artificial Intelligence program in Computer Vision and Reinforcement Learning.
- Scholarship awarded to 15 talents out of 8000 in AI from Alat company and KAUST Academy.

Artificial Intelligence Intern at KAUST

Jul 2023 – Aug 2023

- Learned and applied various topics in Artificial Intelligence, including Generative Models and Natural Language Processing.
- Gained expertise in deploying and scaling PyTorch models, optimizing performance for real-world applications.
- Explored Reinforcement Learning and Computer Vision, enhancing skills in building intelligent systems.

PROJECTS

Beneath the Waves: Advanced Computer Vision and Deep Learning Approaches to Coral Reef Analysis

- Developed and implemented an efficient monitoring system for reef conservation, leveraging advanced technologies to track reef health, resulting in improved preservation and restoration strategies that increased reef resilience.

The Bias Within: Evaluating the Generation and Classification Dichotomy in Large Language Models

- Developed a system to detect and analyze sociocultural biases in generated content, enhancing content accuracy and promoting inclusivity, which improved user trust.
- Conducted a comparative analysis of GPT-3.5 and fine-tuned GPT-2, using rigorous testing to assess performance differences and inform future model optimization.

Predictive maintenance model that anticipates equipment failures and optimizes maintenance schedules

- Minimized unexpected downtime by leveraging advanced data science techniques and improved maintenance efficiency using machine learning algorithms, resulting in a 30% reduction in operational disruptions.

Accomplishment

- Top 15 Projects in Datathon
- Top 6 Projects in Dear AI hackathon
- 2nd Place in Princess Nourah University programming contest.
- Recognized for contributing over 500 hours of volunteer work in extracurricular activities.

SKILLS

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|------------------------|--------------------|------------------------|
| • Statistical Analysis | • R | • SQL |
| • Data Visualization | • Python | • Communication Skills |
| • Data Manipulation | • HTML | • Adaptability |
| • Analytical Thinking | • Microsoft Office | • problem solving |

LANGUAGES

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| • English – Proficient | • Arabic – Native |
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