

Yazeed Alzahrani

+966-53-111-11-57 | Dhahran, Saudi Arabia | yazidbinfaris@gmail.com

EDUCATION

King Fahd University of Petroleum and Minerals

Bachelor of Science in Computer Science, Concentration in AI & ML

GPA: 3.78 (out of 4)

Society of Actuaries (SOA): Exam P — Passed; Exam FM in progress

Dhahran, Saudi Arabia

Aug. 2023 – May 2027

EXPERIENCE

Actuarial Machine Learning Researcher

SDAIA-KFUPM Joint Research Center for AI

Sep. 2024 – Feb. 2025

Dhahran, Saudi Arabia

- Investigated the use of machine learning recommender system architectures for actuarial risk assessment associated with policyholder profiles and healthcare insurance plans
- Modeled health insurance claims of a large-scale (800,000 instances) imbalanced dataset and evaluated performance using metrics such as F1, recall, and accuracy

Biocomputation Researcher

Imam Abdulrahman Bin Faisal University

Aug. 2022 – July 2023

Dammam, Saudi Arabia

- Collaborated with data science and epidemiology faculty at IAU to analyze biomedical data and identify statistical indicators of peripheral neuropathy in Covid-19 cases
- Explored time-series modeling approaches to analyze the temporal correlation between patient health readings and peripheral neuropathy-related patterns under limited Intensive Care Unit (ICU) data pipeline conditions

HONORS & RESEARCH RECOGNITION

Emerging Professor Program (EPP) Nominee

Nominated by President Muhammad Al-Saggaf for a faculty-track professor career scholarship at KFUPM

2025

Ibdaa National Research Olympiad — Medal Recipient

Awarded a national medal for a biocomputation research study on the statistical indicators of peripheral neuropathy in biomedical data

2023

Assess & Advise Statistics and Probability Competition — 3rd Place

Modeled drone catastrophic failure trends and identified design bottlenecks using probabilistic analysis and hypothesis testing.

2024

Arab World Youth Programming Competition — 5th Place

Awarded merit-based scholarship in recognition of strong algorithmic design and analytical reasoning in a competitive international competition

2023

PROJECTS

Actuarial Machine Learning Model | *Python, NumPy, TensorFlow, StreamLit, Pandas* Sep. 2024 – Feb. 2025

- Implemented a two-tower neural network architecture trained on 800,000 instances using likelihood-based loss to approximate probabilities of insurance claims based on policyholder attributes and historical claim data.
- Used learned outcome probabilities to compute the expected coverage of policyholder claims based on insurance plan policies

16-Bit-Pipelined-CPU | *Logisim*

May. 2025 – May. 2025

- Designed and implemented a 16-bit-pipelined RISC architecture, implementing the register file, ALU, and control logic
- Segmented CPU components into pipeline stages, computed run-time, and identified the critical path to determine the pipelined implementation cycle time and design.

TECHNICAL SKILLS

Programming Languages: Python, Java, C++, SQL, JavaScript, HTML/CSS

Libraries & Frameworks: NumPy, Pandas, TensorFlow, PyTorch, Scikit-learn, Streamlit, React, Node.js, MongoDB

Tools & Platforms: Git, Linux, WSL2, Logisim, Arduino, Raspberry Pi