# Yousef Hazza

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## Professional summary

Computer Science & Artificial Intelligence graduate with a solid foundation in software development, quality assurance, and agile practices. Skilled in problem-solving, coding, and analytical thinking, with hands-on experience in AI and software projects. Background in IT technical support, bringing strong troubleshooting skills and system reliability expertise. Adept at applying project management principles and ensuring quality standards while collaborating across teams to deliver innovative solutions.

## Work history

**IT Technical Support Intern**, 06/2023 - 08/2023

**King Khaled Hospital** - Al Majma'ah, Riyadh Region

- Tested new systems before implementation for optimal performance reducing incidents by 10%.
- Installed and updated software suites to ensure data security.
- Facilitated training sessions for non-technical staff members.
- Handled day-to-day IT operations, maintained trouble-free working environment.
- Enhanced user understanding by providing comprehensive IT support.

## Education

**Bachelor**: Computer Science - Artificial intelligence , 01/2024
**Majmaah University** - Al Majma'ah, Riyadh Region

## Skills

- Critical thinking
- Team collaboration
- Attention to detail
- Time management
- Data structures and algorithms
- Machine learning and AI
- User acceptance testing
- Agile methodology

## Projects

**Prediction of Majmaah 2030 using CA-Markov model**

Prediction of Majmaah 2030 using the CA–Markov model analyzes past land use and land cover patterns to forecast urban growth and resource changes. The study supports sustainable planning and development in line with Vision 2030.

**Fake Review Detection System**

An NLP-powered system that flags deceptive product/service reviews by combining text features (TF-IDF, sentiment), reviewer metadata, and classifiers (SVM/Random Forest) alongside a fine-tuned BERT model. Includes a Streamlit demo for real-time predictions and a notebook for experiments, with accuracy/precision/recall/F1 evaluation.

**Time-Series Forecasting Dashboard**

A Streamlit-based dashboard for stock price forecasting that integrates ARIMA, Prophet, and LSTM models. It fetches historical data from Alpha Vantage, visualizes trends with Plotly, and generates interactive forecasts with adjustable parameters (symbols, horizon, model choice). The tool helps users compare classical and deep learning approaches to time-series forecasting in real time.

## Courses

Artificial Intelligence Fundamentals **- IBM**
Natural Language Processing with Classification and Vector Spaces **- Coursera**
Software Engineering: Modeling Software Systems using UML **- Coursera**
Supervised Machine Learning: Regression and Classification **- Coursera**