

KHALED ALZEER

AI & Data Science Student

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| github.com/khaledAlzeer

SUMMARY

Third-year Artificial Intelligence and Data Science student at Al-Zaytoonah University of Jordan, focused on Machine Learning, Natural Language Processing, Computer Vision, and Generative AI. Experienced in Python development, data analysis, and data visualization, with supporting full-stack skills for turning models into working applications. Currently expanding deep knowledge in LLMs and Transformers while bridging software engineering with AI/ML, backed by 60+ GitHub repositories and 45+ completed projects. Actively seeking internship or junior opportunities in AI, Machine Learning, or Data Science.

EDUCATION

Bachelor of Science — Artificial Intelligence & Data Science 2023 – Present
Al-Zaytoonah University of Jordan (ZUJ) — Amman, Jordan
Currently in 3rd Year · Expected Graduation: 2027

TECHNICAL SKILLS

Machine Learning & AI	: Scikit-Learn, Regression, Classification, Clustering, Deep Learning (ANN, CNN), Natural Language Processing (NLP), Computer Vision, Generative AI, XGBoost, Random Forest, Decision Tree, Naive Bayes, Support Vector Machine (SVM), k-Fold Cross-Validation, Feature Engineering
Data Science & Analytics	: Pandas, NumPy, Matplotlib, Seaborn, Plotly, Data Analysis, Data Visualization, Power BI, DAX, Power Query
Programming Languages	: Python, Java, JavaScript, SQL, R
Databases	: PostgreSQL, SQLite, SQLAlchemy
Web Development	: Flask, Django, React, Node.js, Express.js, REST APIs, Bootstrap 5, HTML5, CSS3, EJS, Axios
Automation	: Selenium, BeautifulSoup, Web Scraping, Tkinter
Tools & Platforms	: Git, GitHub, Jupyter Notebook, Google Colab, VS Code, PyCharm, Postman, Microsoft Excel

PROJECTS

ML Classification Model Selection github.com/khaledAlzeer/ml-classification-model-selection

- Implemented and compared 7 classification algorithms including Logistic Regression, SVM, KNN, Decision Tree, Random Forest, Naive Bayes, and XGBoost on the Breast Cancer Wisconsin Dataset
- Evaluated models using accuracy scores, confusion matrices, and classification reports achieving up to 97% accuracy
- Applied data preprocessing, feature scaling, and train-test split best practices

Technologies: Python, Scikit-Learn, Pandas, Matplotlib, NumPy

ML Regression Model Selection — Power Plant Dataset github.com/khaledAlzeer/ml-regression-power-plant

- Built and compared 5 regression models including Linear Regression, Polynomial Regression, SVR, Decision Tree, Random Forest, and XGBoost on a real-world power plant energy output dataset
- Evaluated model performance using R-squared score and RMSE achieving R^2 of 0.96 with XGBoost

- Generated comprehensive visual performance comparison reports using Plotly

Technologies: Python, Scikit-Learn, NumPy, Pandas, Plotly

Breast Cancer Classification — Logistic Regression

github.com/khaledAlzeer/logistic-regression-breast-cancer

- Developed end-to-end binary classification pipeline with data preprocessing and feature scaling
- Applied k-Fold cross-validation (k=10) achieving consistent accuracy across all folds
- Generated detailed evaluation metrics including precision, recall, F1-score, and ROC curve

Technologies: Python, Scikit-Learn, Seaborn, Pandas, Matplotlib

BookTracker — Full-Stack Web Application

github.com/khaledAlzeer/BookTracker

- Built a full-stack book tracking application with complete CRUD operations and PostgreSQL database
- Integrated Open Library API for automatic book cover image fetching by ISBN
- Designed and managed relational database schema with user-specific book records

Technologies: Node.js, Express.js, PostgreSQL, EJS, REST APIs

Node.js Blog REST API

github.com/khaledAlzeer/nodejs-complete-blog-api

- Developed a complete RESTful Blog and Notes API with full CRUD endpoints
- Implemented two-server architecture separating the API backend from the frontend client
- Used Axios for HTTP communication between servers with error handling middleware

Technologies: Node.js, Express.js, Axios, EJS, REST APIs

React Keeper Notes Application

github.com/khaledAlzeer/react-keeper-notes

- Built a dynamic single-page notes application using React functional components and hooks
- Integrated Material UI component library for a clean and fully responsive interface

Technologies: React, Material UI, JavaScript, HTML5, CSS3

Family Travel Tracker

github.com/khaledAlzeer/FamilyTravelTracker

- Developed a multi-user travel tracking application to visualize visited countries per family member
- Built dynamic user profile switching with per-profile country data stored in PostgreSQL

Technologies: Node.js, Express.js, PostgreSQL, EJS

Khaled Blog — Flask Blogging Platform

github.com/khaledAlzeer/khaled-blog

- Built a full-stack blogging platform with role-based access control — admin can create, edit, and delete posts while registered users can read and comment
- Implemented secure authentication using Flask-Login with Werkzeug password hashing and Flask-WTF CSRF protection on all forms
- Designed relational database schema with SQLAlchemy ORM covering Users, Posts, Comments, and Messages tables with proper foreign key relationships

Technologies: Python, Flask, SQLAlchemy, Flask-Login, Flask-WTF, Bootstrap 5, CKEditor

CERTIFICATIONS

Microsoft Azure AI Fundamentals (AI-900)

Completed — 2026

Microsoft

Azure AI, Machine Learning Concepts, Computer Vision, NLP, Generative AI, Cloud Computing

100 Days of Code — Python Pro Bootcamp

Completed — 2024

Udemy · Angela Yu

Python, Flask, Web Scraping, Pandas, NumPy, Matplotlib, Tkinter, REST APIs, SQL

Microsoft Power BI Desktop for Business Intelligence

Completed — 2025

Udemy · Maven Analytics

Power BI, DAX, Data Modeling, ETL, Dashboards, Power Query, Data Visualization

The Complete Web Development Bootcamp

Completed — 2025–2026

Udemy · Angela Yu

HTML5, CSS3, JavaScript, React, Node.js, PostgreSQL, REST APIs, Bootstrap, Express.js

Machine Learning A–Z: AI, Python, R & AWS

Completed — 2026

Udemy · Kirill Eremenko & Hadelin de Ponteves

Regression, Classification, Clustering, Association Rule Learning, Reinforcement Learning, NLP, Deep Learning (ANN/CNN), Dimensionality Reduction, XGBoost, AWS SageMaker, Python, R

LANGUAGES

Arabic



Native

English



Professional Working Proficiency

ADDITIONAL INFORMATION

GitHub Activity: 60+ public repositories · 45+ projects built · 35+ technologies used

Open To: Internships · Junior AI/ML roles · Junior Data Analyst roles · Freelance projects

Competitive Programming: Active on Codeforces — codeforces.com/profile/Khaled_Alzeer05

Interests: Machine Learning · Natural Language Processing · Computer Vision · Generative AI