Ibrahim Nasser (B.Eng.)

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Experience

Student Assistant (HiWi)   01/2025–Now

Friedrich-Alexander-Universität Erlangen-Nürnberg (FAU) – *DE*
Machine Learning and Data Analytics (MaD) Lab - Department of AI in Biomedical Engineering (AIBE)

Student Assistant (HiWi)   12/2024–03/2025

FAU Erlangen-Nürnberg – *DE*
ANKI Lab - AIBE Department

Clerk/IT Support   05/2022–09/2022

UNRWA – *Pal*

Data Science Trainee   09/2021–01/2022

Data Insight – *Online*

Applied ML Trainee (NLP&CV)   08/2021–11/2021

Gaza Sky Geeks – *Pal*

Education

M.Sc. in Artificial Intelligence (Current GPA 1,2)   10/2023–Now

Friedrich-Alexander-Universität Erlangen-Nürnberg (FAU) – *DE*
Main Modules: Symbolic AI, Subsymbolic AI, AI Applications

B.Eng. in Computer Systems Engineering (German Equiv. GPA 1,9)   09/2014–09/2019

Al-Azhar University Gaza (AUG) – *Pal*
Dev: SDLC, Agile, Scrum, UML, SRS, DB, Java, C, Python, PHP, HTML, CSS, JS, Testing&QA
CS: Linear Algebra, Calculus, Discrete Math, Automata Theory, Algs&DS
AI: Neural Networks, AI, DM, Formal Specifications.
*Grad. project: Web app for service providers ratings in Gaza (german equiv. **1,2**) (report)*

General Secondary Education - Scientific Stream (German Equiv. GPA 1,8)   09/2013–06/2014

Hayel Abdel Hameed Secondary School – *Pal*

Skills

Theory	Regression, Classification, Clustering, ANNs, CNNs, RNNs, LLMs, Gradient Descent, NLP, Computer Vision.
Dev.	Python, NumPy, SQL, PostgreSQL, MongoDB, HTML, CSS, PHP, Django, Flask, FastAPI, TensorFlow, PyTorch, Keras, Jupyter, Git, Bash, Linux, Docker, CI/CD
Languages	German (Beginner), English (C1: IELTS Band 8), Arabic (Native)

Awards

Future Skills Scholarship **07/2024**

UNDP RBAS, MBRF, Coursera – *Online*

Data Scientist Program Scholarship **09/2021**

Data Insight, Datacamp – *Online*

Applied Machine Learning Scholarship **09/2021**

Gaza Sky Geeks, Datacamp – *Pal*

Google Data Analytics Scholarship **08/2021**

Gaza Sky Geeks, Coursera – *Online*

Selected Publications

Nasser, I. M., Alzaanin, A. H., & Maghari, A. Y. (2021). Online recruitment fraud detection using ANN. In *2021 Palestinian International Conference on Information and Communication Technology (PICICT)* (pp. 13-17). IEEE.

Nasser, I. M., & Abu-Naser, S. S. (2019). Lung cancer detection using artificial neural network. *International Journal of Engineering and Information Systems (IJEAIS)*, **3**(3), 17-23.

Projects

Dogs and Cats Classification

End-to-End Deep Learning Project utilizing the pretrained CNN Architecture MobileNetV2 and Deployed using Streamlit Library (link)

Potato Disease Detection

Web Application (HTML, CSS, Python FLASK) utilizing a trained CNN model to detect disease (healthy, early blight, late blight) in a potato leaf (link)

Flower Classification

Flower classification (chamomile, dandelion, rose, sunflower, tulip) using InceptionV3. Testing Accuracy: 88% (link)

SMS Spam Detection ML Comparison

Bag-of-Word Feature Extraction, best AUC and Recall are given by MNB (link)

Real-Time Twitter Sentiment Analysis

TF-IDF Feature Extraction, Logistic Regression (80% acc.), Twitter API (link)