# RAGHAD MURAD BUZIA

Palestine, Salfeet
raghadmbuzia@gmail.com | +972 56-962-8299
LinkedIn | GitHub

## OBJECTIVE

A motivated Computer Engineering student at Birzeit University, specializing in Artificial Intelligence, Data Analysis, and Frontend Development. Seeking an internship to apply technical skills in AI, UX/UI, and backend technologies while gaining hands-on experience in a professional environment.

## EDUCATION

**Bachelor's Degree in Computer Engineering**

- Birzeit University | Expected Graduation: 2026
- GPA: 79.6%

## CERTIFICATIONS AND COURSES

**Artificial Intelligence Certification (AI Programming with Python and TensorFlow)** **2024-2025**

- Earned through the Palestine Launchpad with Google, Udacity, and SPARK scholarship, gaining hands-on experience in machine learning algorithms and neural networks.

**Data Analysis Course** **2025-Present**

- Currently enrolled, focusing on statistical analysis, data visualization, and data-driven decision-making.

**Web Development Program** **2024-Present**

- Participated in a training program by MAG CAMP, an Egyptian startup, covering Frontend Development, Flutter, Backend Development, and UI/UX Design. Successfully completed the Frontend Development and Flutter modules.

## SKILLS

**Programming Languages:**

- Proficient: C, Java, Python, Shell Scripting (Bash - Linux), Verilog
- Intermediate: HTML, CSS, JavaScript, Assembly, MySQL

**Tools & Platforms:**

- Visual Studio, Eclipse, PyCharm, MySQL, Kaggle, Google Colab, Code::Blocks, Quartus, Proteus, Active-HDL Student

**Soft Skills:**

- Teamwork, Time Management

## PROJECTS

**Data Structures Projects** **2022-2023**

A collection of academic projects focused on designing and implementing complex data structures using the C programming language. These projects emphasize memory management, algorithm efficiency, and optimization techniques.

- City Map and Shortest Path Finder (GitHub Repository: City-Map-and-Shortest-Path-Finder)
- Student Management System Using Binary Trees (GitHub Repository: Student-Management-System-Using-Binary-Trees-Map-and-Shortest-Path-Finder)
- Equation Processor (GitHub Repository: Equation-Processor-Map-and-Shortest-Path-Finder)
- District Management System (GitHub Repository: District-Management-System-Map-and-Shortest-Path-Finder)

**Machine Learning Projects** **2024-2025**

A series of projects focused on applying machine learning techniques to solve real-world problems, including data analysis, predictive modeling, and classification tasks.

- Electric Vehicle Population Data Analysis (GitHub Repository: Electric-Vehicle-Population-Data-Analysis)
- Regression Analysis and Model Selection (GitHub Repository: Regression-Analysis-and-Model-Selection )
- Comparison of Machine Learning Algorithms on Breast Cancer Dataset (GitHub Repository: Comparison-of-Machine-Learning-Algorithms-on-Breast-Cancer-Dataset )

**Computer Vision Projects** **2024-2025**

Projects that explore computer vision techniques for image processing, noise reduction, and handwritten text recognition using advanced algorithms like CNNs and feature extraction.

- Noise Reduction Filters Analysis (GitHub Repository: Noise-Reduction-Filters-Analysis)
- Arabic Handwritten Text Identification Using Local Feature Extraction Techniques (GitHub Repository: Arabic-Handwritten-Text-Identification)
- Arabic Handwritten User Writer Detection Using CNN (GitHub Repository: Arabic-Handwritten-User-Writer-Detection-Using-CNN)

**AI Projects (Udacity Coursework)** **2024-2025**

Projects completed during the Udacity AI course, focusing on building and utilizing pre-trained models for image classification and custom model development.

- Use a Pre-trained Image Classifier to Identify Dog Breeds (GitHub Repository: Use-a-Pre-trained-Image-Classifier-to-Identify-Dog-Breeds)
- Create Your Own Image Classifier - TensorFlow (GitHub Repository: Create-Your-Own-Image-Classifier---TensorFlow)

**Data Analysis Projects (Udacity Coursework)** **2025-Present**

Projects focused on data exploration, cleaning, and analysis to extract meaningful insights from datasets.

- Investigate a Dataset (GitHub Repository: Investigate-a-Dataset)
- Data Wrangling Project: Movie Metadata Analysis (GitHub Repository: Data-Wrangling-Project-Movie-Metadata-Analysis)