Ahmed Deghedy

AI & Data Science Engineer | Flutter Developer

Address: 6th October City, Giza, Egypt

Phone: 01069003912

Email: aamr87489@gmail.com

Portfolio

GitHub

LinkedIn

Summary

An AI and Data Science Engineer with solid experience in Mobile Application Development using Flutter. Strong background in AI model development, data analysis, and deploying solutions to the cloud. Proficient in Python, Dart, and C++. Passionate about building impactful software products and solving real-world problems.

Education

Faculty of Information Systems and Computer Science

6 October University | 2021 – 2025

Bachelor's Degree in Artificial Intelligence

GPA: 3.3 – Very Good

Graduated: 2025

Training & Certifications

- Developing Mobile Application using Flutter (ITI)
- Complete Flutter & Dart Development Course (Udemy)
- AI & Data Science (DEPI)
- Applications of Artificial Intelligence (BUE & IMPACT) – Feb 2025

Skills

Technical Skills:

• **Programming Languages**: Python, Dart, C++, Java, HTML, CSS

• **Mobile Development**: Flutter (Advanced), Firebase (Cloud, Authentication, Firestore)

• **AI & Machine Learning**: Scikit-learn, TensorFlow, OpenCV, Pandas, NumPy

• **Databases**: MySQL, SQLite

• **Tools & Platforms**: Git, GitHub, Google Colab, Jupyter, VS Code, Android Studio

Soft Skills:

• Strong problem-solving skills and analytical thinking

• Excellent communication and teamwork abilities

• Leadership and time management under pressure

Projects

Stroke Detection System Using AI and Smartwatch

Designed a real-time health monitoring system to detect stroke risks. Built a Flutter mobile app integrated with a smartwatch (via Bluetooth) to capture ECG, blood pressure, and heart rate data. Used Firebase for backend hosting and deployed an AI model achieving high prediction accuracy.

Heart Disease Detection AI Model

Developed a machine learning model to detect heart disease using patient data. Achieved 94% accuracy with effective data preprocessing and model tuning. Deployed in a scalable cloud environment.

Fraud Detection Model with GUI

Built an AI-powered fraud detection system with a user-friendly graphical interface. Integrated data science workflows with an interactive front-end for improved user experience.

Digit Recognition Model using CNN

Created a Convolutional Neural Network (CNN) for digit recognition using image data. Utilized advanced image processing techniques, achieving high classification accuracy.

Object Detection Using Faster R-CNN (VOC 2012 Dataset)

Built an object detection system using PyTorch and VOC 2012 dataset. Trained Faster R-CNN models with ResNet50 and MobileNet backbones. Achieved solid results using custom training loops and GPU acceleration.