Mohamed Samir Said

Computer engineering Student

Cairo, Egypt

+201117482827

Mohamed Samir | Portfolio
mohamedsamir2452002@gmail.com
github.com/MohamedSamir245
www.linkedin.com/in/mohamed-samir

Introduction

As a student pursuing computer engineering, I have gained valuable experience in both front-end and back-end development, using technologies such as React and Node. I am proficient in popular front-end frameworks such as Tailwind, MUI, and Bootstrap, allowing me to design and develop visually appealing, responsive, and user-friendly interfaces. Additionally, I have worked on projects in the field of machine learning, where I have developed and implemented various algorithms to analyze data and extract insights including computer vision. I have a strong command of programming languages such as Python, Java, JavaScript, and C++. I have extensive experience working with machine learning frameworks such as TensorFlow and Keras as well as libraries like Scikit-learn. Through various projects and coursework, I have developed a deep understanding of the concepts and algorithms used in machine learning and have utilized these frameworks and libraries to develop models for classification, regression, and clustering tasks. Currently I'm studying details of ML algorithms from "Hands on Machine Learning with Scikit-Learn, keras and TensorFlow" book.

Education

B.S. Computer Engineering
Student at 3rd year, Cairo University, Faculty of Engineering.
Grade: Excellent

High school diploma – Mathematics branch
Ahmed Orabi School
School Grade: 99.4%.

Technical Skills

- Programming Languages:
  - C++
  - Python
  - Java
  - JavaScript
  - Assembly
  - Verilog
- Programming Concepts:
  - Object Oriented Programming
  - Data Structure
  - Algorithms
  - Problem Solving
- Web Development:
  - React
  - Node
  - Tailwind CSS
  - Bootstrap
  - MUI
  - HTML
  - CSS
  - MySQL
  - NoSQL (MongoDB)
- Machine Learning & Deep Learning:
  - Algorithms
  - TensorFlow
  - Keras
  - Pandas
  - NumPy
  - Matplotlib
  - Scikit-Learn
  - OpenCV

- Web Scraping:
  - Selenium
  - Beautiful Soup
  - Proxy
- Tools & Technologies:
  - Linux (Ubuntu)
  - Git

Technical Projects

Personal Portfolio [Link] 2023
Built using React, HTML, Tailwind CSS and Three.js

Car-Tech Website [Link] 2022
Website for different car services built with React, HTML, SCSS, JS, Node and MySQL.

Stroke Prediction [Link]
Classification model built with ML and DL using some algorithms such as ANN, BaggingClasiffier, LogisticRegression, KNeighboursClassifier, RandomForestClassifier and SVM.

Dog Breed Identifier [Link] 2022
Deep Learning Project: CNN model to identify the breed of the dog out of 70 breeds using mobilenet-v2.

Emotion Classifier [Link] 2022
Deep Learning Project: CNN model to classify the emotion of face from an image.

Advanced-Encryption-System [Link] 2022
The AES algorithm is capable of using cryptographic kays of 128, 192 and 256 bits to encrypt and decrypt data is blocks of 128 bits.

Enhanced-Snake & Ladder-Game [Link] 2022
Mixture of snake & ladder and monopoly games. This was a university project that focus on "OOP".

Arithmetic-Logic-Unit [Link] 2022
Calculator using logic gates that can do multiplication, remainder, subtraction, addition.

Shipping-Company-Simulator [Link] 2022
Simulator for a shipping company system. Main focus in this project was Data Structure.

Hand-Tracking-Module [Link] 2022
Python module that tracks both hands or one hand from webcam. It can be used in different ways. And a program that adjusts volume level with hand.

Web-Scrapping-Hatla2ee [Link] 2022
Three scripts made using python to collect data about cars from https://eg.hatla2ee.com/en. The data used in a data base project in the university.

ToDo-React-App [Link] 2022
ToDo Website built with React, HTML, CSS, JS and MySQL.

Ping-Pong-game (Python) [Link] 2021
Simple ping pong game built with python.

Person-Classifier [Link] 2022
CNN model to predict the person in an image built with TensorFlow.