Ibrahim Mohamed

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EDUCATION

Cairo University *Sep 2019 –*
- *Bachelor of Engineering: Systems & Biomedical Engineering; GPA: 3.49/4* *Jul 2024*
  Minor: **Software & Data Science Engineering**
  - *Undergraduate Coursework*: Data Structures & Algorithms, Object-Oriented Programming, Databases, Microcontrollers, Computer Graphics, Computer Vision, Probability and Statistics, Machine Learning, Digital Signals Processing

SKILLS

- **Programming Languages**: Java, C++, JavaScript, Python, & C
- **Front-End**: HTML, CSS, jQuery, ReactJS, UI/UX
- **Back-End**: NodeJS, Django, Flask
- **Desktop Applications:** Qt6, JFrame, ElectronJS
- **Databases**: MySQL, MongoDB
- **General Concepts**: Data Structures, Algorithms, Object-Oriented Programming, DevOps, Scrum
- **Operating Systems**: Windows, Linux (Ubuntu)
- **Version Control:** Git/GitHub
- **Hardware**: AVR, ARM Interfacing, ROS
- **Tools:** Docker, Kubernetes

PROJECTS

- **Desktop Banking System**
  Java, Swing, OOP
- **Desktop Paint Application**
  Qt C++, OOP, Data Structures
- **Operation Rooms Department Manging System**
  JavaScript, React, NodeJS, MongoDB
- **Video Call Application**
  JavaScript, webRTC, Networking
- **Medical Equipment Repair VR Game**
  C#, OOP, Unity, Oculus Integration, VR
- **Signals Sampling Studio**
  JavaScript, Python, Flask, DSP
- **Computer Vision Toolkit**
  Qt C++, OOP, Computer Vision & Image Processing
- **Voice Fingerprint System (Alexia-Like)**
  JavaScript, ReactJS, Django, Python, DSP
- **Digital Filters Design Suite**
  JavaScript, Python, Django, OOP, DSP
- **Real Estate Website**
  JavaScript, NodeJS, MongoDB

TRAININGS & INTERSHIPS

- **Neureveal Inc.** *Aug 2023 –*
  AI Software Engineer Intern *Present*
- **First Gulf Solutions** *Aug 2022 –*
  Frontend Software Engineer intern *Present*
- **Information Technology Institute (IT)** *Aug 2021 –*
  UI/UX Design Intern *Oct 2022*

COURSES

- **Object Oriented Programming in Java (Specialization):** *Duke University (Coursera.com)*
- **Machine Learning: IBM Machine Learning Professional Certificate:** *IBM (Coursera.com),* **Machine Learning**, *Stanford University*
- **Algorithms, Data Structures & Graphs:** *UC San Diego (Coursera.com)*
- **VR/AR Game Development Diploma:** *412Labs & US Embassy in Cairo*
- **IBM DevOps & Software Engineering Professional Certificate (4/12):** *IBM (Coursera.com)*

VOLUNTEERING EXPEREINCE

- **Head of Autonomous Driving**
  Cairo University Racing Team
- **Ex-Chairman**
  IEEE Cairo University SB
- **Ex Vice-President**
  CUFE Student Club
- **Branding Director**
  IEEE Region 8 North Africa SYP Congress 2023

AWARDS & HONORS

- **Second Place,** 6th Undergraduate Engineering Mathematics Research Forum - Cairo University
- **Second Place,** Geniuses Student Competition - Faculty of Engineering Cairo University
- **Participant,** IEEE Xtreme (Problem Solving Competition)