Youssef Mohamed Tawfik

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Education

- **Coventry University UK | INTI International University**
  BCS in Software Engineering
  - CGPA: 3.51
  - Dean's List: 2 Semesters
- **Saint Fatima International School (British Division)**
  - A-levels: Math, Physics

Experience

- **Software Engineering internship at Dell Technologies Malaysia**   8/2022 – 12/2022
  - Developed automation to bulk stop and start applications in downtime activities for maintenance. **Reduced about 80%** of time required to carry out those activities if done manually.
  - Developed scripts to automate health monitoring and reporting after activities on middleware applications. Saved **40-60 minutes** of resources per activity. Deployed script to Gitlab CI/CD pipeline.
  - Replaced redundant internal process by creating power automate flow to handle engagements to Middleware team
- **Software Engineer at Refera Egypt Startup**   6/2022 – 8/2022 & Present
  - Led a team of 3 while having a part in the technology decisions made so the company can start its business.
  - Developed a responsive website for the company and implemented SEO best practices to improve search engine rankings
  - Successfully initiated and executed multiple projects in the company, leading to improved business processes and starting revenue streams.
- **Front-end Development team training in Etisalat Misr**   12/2021 - 1/2022
  - Worked closely with the front-end team while working on the Etisalat online shop new UI/UX design.
  - Was assigned tasks to create the Etisalat sport responsive app design using HTML, CSS, and Bootstrap

Skills

- **Software**: Visual Studio, Android Studio, SQL Server Manager, CISCO Packet Tracer, ganache blockchain, SAP Enterprise Resource Planning, GitHub, Gitlab, ServiceNow, ServiceNow, Power Automate
- **Programming Languages**: C++, C#, Java, Python, SQL, MYSQL, Solidity
- **Web Page Development:** ASP.NET, Laravel, HTML, PHP, JavaScript, Node.js, web3.js, Bootstrap, REST API

Projects

- **Final Year Project:**
  Managing Lifetime Medical History Data using Blockchain Technology with Fast Retrieval
  - Decentralized web application to create and store patients' medical records and be viewed by patients and doctors.
  - Patients retrieve their medical records by the fast retrieval feature using QR code technology
  - The decentralized app is developed using Web3.JS, Express.js, Solidity, Ethereum blockchain, Truffle
  - Nominated for best project award in INTI International university faculty of Information Technology
  - Accepted to enter the International Conference on Innovation and Technopreneurship (ICIT'2022) - Emerging Technologies in Computing Track
- **Coursework:**
  University Web Portal PHP web Application
  - PHP web portal for university students and doctors
  - Students can enroll to subjects, make subject payments, and generate timetables
  - Doctors generate QR code to be scanned for attendance, view statistics for attendance rate and view timetables
  - The web app was made using PHP, HTML, CSS, JavaScript, MYSQL and Bootstrap
  Vaccination Android Application
  - App to learn more about the government offered vaccinations
  - Signing up to take an appointment for vaccination
  - Algorithm to decide which vaccine is suitable for the registered user
  - The app was built using Java connected with SQLite database and CRUD features for admins
- **Freelancing:**
  Tornado Team
  - Task distribution, management, and monitoring PHP web application for a team of 70 members
  - The application has several access levels
  - Creating tasks, editing tasks, tasks calendar, email alerts using cron jobs
  - The web application was developed using PHP, JavaScript, HTML, CSS, Bootstrap, MYSQL Database

CliniCo
- A Patient Records System desktop app for clinics
- Doctors use it to store patients' information on the database and track all the notes, medications given and dates
- The app was built using Java and local database SQL server manager for security of data.

❖ **For more details and screenshots related to the projects please check my website link above**

Certificates

- **CCNAv7: Introduction to Networks**
- **IBM Web Programming (IBM4202)**
- **Shopee Code League Participation Certificate**
- **Dell Hack2Hire Event Participation Certificate**
- **Edufye 2-day Microsoft virtual bootcamp**
- **The Python Coding S.T.E.P.S. Online Course Graduation**
- **Introduction to Enterprise Resource Planning SAP**

Extracurricular Activities

- **Microsoft Student Ambassador**
  - Social Media Program Content Leader
- **INTI University Student Ambassador**
  - Committee for organizing return to face-to-face event
- **Basketball Career:**
  - 2015 International Friendly tournament in Hungary champion with U14 Egyptian National Team
  - 2019 National Highschool Championship 1st place
  - 2021 U20 Cairo Championship 3rd place