Abdallah Ibrahim

Fifth Settlement, Cairo, Egypt • abdallah.hussein.ibrahim@gmail.com • +20 114 722 1388
github.com/Abdallah1321 • linkedin.com/in/abdallah-ibrahim37/ • My Portfolio: abdallahibrahim.netlify.app • Military Status: Pending

CAREER OBJECTIVES

Driven and aspiring web developer with a strong passion for crafting innovative and user-centric digital experiences. Eager to apply my technical proficiency, creative problem-solving skills, and insatiable curiosity to contribute to dynamic web development projects. Committed to staying at the forefront of technological advancements in the field and continuously enhancing my coding expertise to build efficient, visually appealing, and responsive websites. Seeking an opportunity to collaborate with like-minded professionals in a growth-oriented environment where I can leverage my enthusiasm for coding and design to create impactful online solutions.

EDUCATION

Coventry University, Egypt| Cairo, Egypt   September 2019 - June 2023
B.A. of Science - Computer Science,   *Grade: First Class with Honors*
Coursework: Web APIs, Mobile Application Development, Advanced Algorithms, Object Oriented Programming, Database Systems, Data Science, Software Engineering, Operating Systems and Security, Introduction to Artificial Intelligence, Mathematics for Computer Science, Software Design, Programming and Algorithms, Theory of Computation, Computer Architecture and Networks, Introduction to Leadership, Effective Communication.
Awards and Honors:
- First place in the Graduation Project Pitch Contest during the IEEE Conference for the "E7GEZ" graduation project.
- Finalist in ECPC Competitive Programming Competition.
- First place in ISCC'21 Hackathon proposing an Application Solution for a smart city.

SKILLS & TECHNICAL TOOLS

Programing Languages: Java, Python, SQL, JavaScript, C/C++,, HTML/CSS, R, C#
Technologies: Git, Hadoop, Docker, Jupyter Notebook, ReactJS, Azure DevOps, Jira, Linux, Unity, EJS
Hard Skills: RESTful APIs, Software Development, Object Oriented Programming, Data Structures, Agile Methodologies, Manual Testing, Automated Testing, Database Modelling, Advanced Algorithms, UML
Soft Skills: English and Arabic Communication, Written and Verbal communication, Teamwork, Time Management

EXPERIENCE

Back-end Intern| Algoriza, Cairo, Egypt   *October 2023 – December 2023*
- Undertook an immersive internship, focusing on back-end development using SQL and .NET technologies.
- Developed a comprehensive doctor appointment management system, integrating essential features for patients, doctors, and administrators.
- Addressed complex technical challenges, ensuring the system met industry standards for reliability and performance.

Web Developer Intern| The Sparks Foundation, Singapore   *September 2023 – October 2023*
- Completed tasks related to web development such as creating a bank system using the MERN stack. This system allowed users to create bank transfers to other customers, view customer details, delete customers from the system and view the transaction history.
- Worked on developing a web application with payment integration using the PayPal developer APIs. This involved deep research on the documentation of the PayPal API to create a working system which allowed the payments.

Software Test Consultant Intern| Qcentris AAIB, Cairo, Egypt   *August 2023 – September 2023*
- Collaborated with the Arab African International Bank, operating as my client. My role revolved around testing their cutting-edge Temenos 24 system, tailored for banking operations in their newly established branch in Dubai.
- Employing a hands-on approach, I engaged in comprehensive manual testing, rigorously assessing system functionalities to identify and rectify any potential defects.
- Fortified my proficiency in testing methodologies and gained invaluable exposure to the intricate world of banking software systems.

Software Quality Control Engineer Intern| Instabug, Cairo, Egypt   *July 2022 – September 2022*
- Worked in Application Performance Monitoring (APM) squad where was able to plan with the team the different Epics and Stories which would be worked on during the cycle.
- Wrote front-end automation scripts using cypress and was also exposed to the different types of manual testing and using them in action to test the new features in APM including an occurrences page which showed more information for a cold or hot app launch occurrence and included a timeline, as well as testing the refactors which were made different pages.

- Collaborated and worked closely with the front-end and back-end teams to report any bugs or defects which were found during testing and always ensuring they were fixed right away.

PROJECTS

E7GEZ - Graduation Project| *ReactJS, NodeJS, MongoDB, ExpressJS*
- A Restaurant Reservation and Management System aimed to making the reservation experience better in Egypt.
- Allows users to view details of their chosen restaurant and view the layout and select the table they want to reserve for. Admins can create a layout for the restaurant for customers to view.
- Utilizes a machine learning model for image detection to help with restaurant management by detecting when customers need service while dining at the restaurant based on their movements.

TripHopper| *ReactJS, NodeJS, MongoDB, ExpressJS*
- A trip planner web application where users can browse and search for trips based on location or their budget.
- The back-end of the web application is made up of many RESTful API endpoints, and also being connected to 3rd party APIs to get data such as the weather for the country and exchange rate.

PurrfectPal Mobile Game| *C#, Unity, Firebase*
- A 2D virtual pet mobile game developed in Unity with features such as account management, pet creation and the main goal of the game is to take care of the pet by feeding it and through other interactions such as playing minigames with the pet to gain more points.

Payment Fraud Detection| *Python, Keras, TensorFlow, JupyterNotebook*
- A Machine Learning project which focused on binary classification for payment fraud based on different features.
- Four different Machine Learning models were used, including, Random Forest, Logistic Regression, Artificial Neural Networks, and Support Vector Machines.

Secure Restaurant Review Web Application| *NodeJS, Express, MongoDB, HTML, EJS, CSS*
- A Secure Restaurant Review web application built on NodeJS for the backend and EJS for the front end.
- The focus for this project was implementing web security features, including password hashing, password policy enforcement, protecting user sessions, access control policies

Big Data Project for Shows on IMDB| *Python, R, Jupyter Notebook, Docker, Hadoop, Matplotlib, Plotly, Dash*
- Web scraped data from IMDB using Python and R to create a dataset containing data for TV show episodes including the top review.
- Stored the data on Hadoop so the data could be map reduced.
- Conducted Exploratory Data Analysis and Sentiment Analysis.
- Created a dashboard using the python library "Dash" and deployed onto Heroku.

Expense Tracker Website | *Mongo, Express, ReactJS, NodeJS (MERN)*
- Worked in a group of four to create an expense tracker website with features such as logging in, signing up, and CRUD functionalities for managing a wallet to track expenses.
- Project was developed using the MERN stack.
- Role in project was SCRUM master as well as developing the front-end and the back-end.

EXTRACURICULAR ACTIVITIES

First Place Winner| Graduation Project Pitch Contest   *March 2023*
- Competed against other seniors in pitching my graduation project to a group of judges.
- Won first place and a prize of 4000 EGP for having the best presentation, idea, and project implementation.

ECPC Finalist| ECPC, Alexandria, Egypt   *August 2022*
- Worked in a team of 3 in the competitive programming contest, ECPC and qualified into the finals
- Solved multiple questions utilizing problem solving skills to be able to qualify into the finals.

Founding Member and Head of Treasury | IEEE TKH Student Branch, Cairo, Egypt   *September 2021 – 2022*
- Co-Founded with twelve other members the IEEE TKH student branch and guided the direction of the club by suggesting activities and workshops which can be implemented to enhance student experience in the club.

1st place winner |ISCC'21 Hackathon, Cairo, Egypt   *November 2021*
- Worked in a group of five to come up with a problem within Egypt and a solution to that problem which can be implemented within a smart city in Egypt.
- Came up with the features of the application as well as the services and architectures which can be implemented into the application.
- Won 1st place.

Member | National Honors Society, Cairo, Egypt   *October 2018 – June 2019*
- Community service and was always helping others, one of these acts of service included setting up food to be given to workers at school during Ramadan and preparing and serving food for them.
- Helped year 9 students in learning the basics of programming.