

Ahmed Elsayed

Junior React JS Developer

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Summary

A senior computer engineer student skilled in front-end web development and with good experience in the back-end. Excellent observant, problem-solver, and fast learner. Passionate about bringing ideas to life and working with dedicated teams to build efficient and robust applications suited to the user's needs. Eager to learn and develop my skills every day.

Education

Bachelor of Science: **Computer Science, Riga Technical University**, Latvia - 01/2022 to 06/2022

- I have got accepted for the Erasmus+ exchange program in the spring of 2022 to study at Riga Technical University (RTU). I take computer science bachelor's and master's degree programs.

Bachelor of Science: **Computer Engineering, Nile University**, Sheikh Zayed City - 10/2018 to 01/2023

- Cumulative GPA: 3.97/4.0.

Nanodegree: **Web Development Professional track, Udacity** - 08/2020 to 10/2020

- I learned ES6 JavaScript, Restful API and gained DOM manipulation skills.
- I developed a web application using Node.js and Express.

High School Diploma: **Mathematics, STEM High School for Boys**, 6th of October - 10/2015 to 07/2018

- Cumulative GPA: 4.0/4.0.

Experience

Junior Teacher Assistant in "CSCI208" course, Nile University - 02/2022 to present

- Programming algorithms such as recursion, graphs, and DP are taught to junior pupils by me.
- Assisting my professor in assignment preparation and helping juniors with their projects.

Programmer and Instructor, NUCPC, 10/2021 to present

- Instructing freshmen and juniors in coding using C++ programming language.
- Aiding juniors in their preparation for the ECPC competition.
- Working in a team to provide coding problems for the junior students to tackle each week.

Technical Engineer, RPM_US Nile University - 01/2020 to 06/2021

- Multisim and MATLAB have been used to simulate the car's electrical components and wiring.
- My team and I designed and built an electric car; we got first place at the EVER competition.

Junior Teacher Assistant in "ECEN101" course, Nile University - 01/2019 to 08/2019

- Instructed and advised students on their projects in the Electric circuit course.
- Trained students during weekly laboratories and helping them with their assignments.

Certifications

- **Internship - Egyptian National Railways**, Communication field – 10/2021
- **PST - Competitive Programming**, Coach Academy - 07/2021
- **Version Control with Git**, Udacity - 05/2021
- **Linux**, Cisco-Networking Academy - 01/2021
- **Web Development Professional**, Udacity Nano degree - 10/2020
- **Introduction to CSS, Interactivity with JavaScript, Responsive Design**, Coursera - 06 to 08/2020

Projects

E-commerce app, Website: HTML, CSS, JS, React.js, Apollo graphql - 03/2022 to present

- A responsive website that fetches products from a graphql endpoint using Apollo client.
- The user can add/remove products and change their amounts in the cart.
- The website shows different prices for each product depending on the user's currency selection.

Crud application, Website: HTML, CSS, JS, React.js - 02/2022 to 03/2022.

- A React application that enables the user to add/edit/delete courses in the frontend view.

PACMAN, Game: python, pygame - 09/2021 to 12/2021.

- The BFS and DFS algorithms are implemented in the PACMAN game.
- At level 1, the ghosts travel at random, at level 2, they know how to reach PACMAN, at level 3, they choose the fastest route to PACMAN, and at level 4, all ghosts encircle PACMAN.

Design and Manufacturing of E-car, Ever Competition - 01/2020 to 06/2021

- Creating the electric car simulation and performance analysis along with car wiring.
- Designing the propulsion system and working with my team on components' installation.

POTION, Website: HTML, CSS, JS, SQL, PHP - 04/2020 to 10/2020

- A home cleaning services website that hires professional laborers in Egypt; therefore, customers can find any worker at any time with only a click of a button.

Weather journal app, Website: HTML, CSS, JS, Nodejs - 08/2020 to 10/2020

- A website that collects weather details using web API to update UI depending on the zip code.

Honors and Achievements

- I was listed on "president honor list" as I got GPA:4.0/4.0 each semester - Oct 2020 to Oct 2021
- Egyptian Collegiate Programming Contest (ECPC) 2021 Finalist
- Winning a special award for getting the first place at Ever Competition - Dec 2020
- Certificate from Wadhwani Foundation for creating a Potential Real Venture - Aug 2020
- Receiving Nile University Full Scholarship for academic merit - 2018 to 2023
- UGRF Competitions (May 2019 to Dec 2019):
 - 1st place in the MATH104, ECEN10, MATH101 categories. 3rd Place in the MATH205.
 - Certificate from SILICON WAHA for winning the best Wastewater Treatment simulation.
- Certificate of Appreciation for reaching final in Intel ISEF (Republican) - Nov 2017

Publications

Paper topic: Wastewater Treatment Model with Smart Irrigation Utilizing PID Control.

Date of publication: 18 November 2020. **Publisher:** IEEE. **DOI:** 10.1109/NILES50944.2020.9257882

Skills

- | | | | |
|------------------------|---------------------|---------------|-----------|
| • HTML5, CSS3, JS(ES6) | • React.js | • Restful API | • GraphQL |
| • Apollo | • Node.js (Express) | • OOP | • GitHub |
| • Control with git | • Python | • C++ | • Linux |

Extracurricular Activities

Gym Coach, Nile University - 05/2019 to present
Helping students to get in shape with diet plans.

Volunteer, Fatma Elzahraa charity - 01/2012 to present
Helping people in need. I separated over 5k food bags.

Languages

Arabic – mother tongue English – C1 German – A1