

RANEEM ELMAHDY

Backend Developer

• +20 1122264052 • raneemmagdy2002@gmail.com • <https://github.com/raneemmagdy> • port said, Egypt

• <https://www.linkedin.com/in/raneem-elmahdy-56495b2a4/>

I am a software engineer with a strong focus on back-end development. I graduated from the Faculty of Computers and Informatics, Department of Computing and Bioinformatics at Suez Canal University. I have a proven track record of designing and implementing efficient, scalable backend systems. My expertise includes working with various programming languages and frameworks, integrating APIs, and optimizing system performance

EDUCATION

Faculty of Computers and Informatics, Suez Canal University

Bachelor in Computing and Bioinformatics

Ranked: 2nd in the college, 2nd in the department, and 2nd among all credit hour departments. 🏆

Graduation Project: A

GPA: 3.61 /4.0

Skills

Back-End Development : Node.js, Express.js

Front-End Development: HTML, CSS, Bootstrap, JQuery, React.js

Machine Learning: K-Nearest Neighbors (KNN), Support Vector Machine (SVM), Decision Tree,

Naive Bayes, Simple Linear Regression, Multiple Linear Regression

Tools & Technologies: Git, Postman, render, cyclic

Programming Languages: Python, C++, Dart, JavaScript, perl

Database Management: MongoDB, SQL

Soft Skills: Problem-solving, teamwork, communication, time management

Projects

Relief - Finding the Right Caregiver for Elderly and Sick People

09/2023-07/2024

Graduation Project

Description: Developed a comprehensive platform to assist elderly and sick individuals in finding the right caregiver. Utilized NLP to extract and match diseases from health records with caregiver biographies.

Features:

- Implemented NLP techniques to extract and match diseases from health records with those mentioned in caregivers' biographies.
- Rating and review system for caregivers.
- Request system for both specific and public caregiver requests.
- Filtering by location proximity, ratings, and experience with similar conditions.
- Integrated Stripe for payment processing, Cloudinary for image uploads, and Nodemailer for email notifications and reminders.

Technologies Used: Node.js, MongoDB, Express.js, Python, NLP libraries, Stripe, Cloudinary, Nodemailer

Ecommerce Website Development

01/2024-04/2024

Description: Developed the frontend of an eCommerce website designed to provide a seamless shopping experience for users. The project focused on creating a user-friendly interface for browsing brands, managing the shopping cart, wishlist functionality, and handling payments.

Features:

- Brand Browsing: Designed and implemented pages for users to browse and search for different brands.

- Product Categories: Created dynamic pages for various product categories, enabling users to easily find specific items.
- Product Listings: Developed comprehensive product detail pages with descriptions, pricing, and reviews.
- Shopping Cart: Built a shopping cart system with real-time updates, allowing users to add, remove, and manage products in their cart.
- Wishlist: Added functionality for users to save products to a wishlist for future reference.
- Checkout Process: Implemented a seamless checkout process integrated with Stripe for secure payment processing.
- User Authentication: Developed login, registration, and password recovery features to ensure secure access for users.

Technologies Used:

- Frontend: HTML, CSS, JavaScript, React.js
- Payment Integration: Stripe
- Other Tools: Git, GitHub for version control

Courses

Fundamentals Of Artificial Intelligence —Elmasria For Science And Technology Jul, 2022-Aug, 2022

- Syntax and Fundamentals: Strong understanding of Python syntax and fundamental concepts, including variables, data types, operators, and expressions.
- Libraries: Familiarity with popular Python libraries and frameworks such as NumPy for numerical computations, Pandas for data manipulation, Matplotlib for data visualization

Problem Solving Training(PST) —Coach academy Sep, 2022-Mar, 2023

- Ability to break down complex problems into smaller, manageable components. Skilled in developing efficient algorithms to solve problems.
- Complexity Analysis: Understanding of time and space complexity. Ability to analyze and optimize code to improve performance.

Back End Development —GDSC Feb, 2023-May, 2023

- JavaScript Proficiency: Strong foundation in JavaScript, including ES6+ features, asynchronous programming with Promises and async/await.
- Node.js Fundamentals: Proficient with core Node.js modules (http, fs, path, events) and package management using npm.
- Web Servers & APIs: Experience in building web servers and RESTful APIs using Node.js and Express.js. Skilled in routing, middleware, and templating engines (EJS).
- Database Management: Competent in working with NoSQL databases like MongoDB (using Mongoose)
- Authentication & Authorization: Implementing user authentication (bcrypt) and authorization (JWT, role-based access control).

Front End Development — Route Academy C42 Sep, 2024- Apr, 2024

- HTML/CSS: Proficient in semantic HTML and advanced CSS (Flexbox, Grid).
- JavaScript: Strong understanding of ES6+ features and core concepts.
- Responsive Design: Creating responsive layouts using media queries and frameworks like Bootstrap.
- Frameworks/Libraries: Skilled in React.js

Competition

ECPC Qualifications 2022/2023

Participated as a contestant

Languages

Arabic: Native English: Very Good