Mohamed Abdelmagid

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SKILLS

Programming
- Java • JavaScript • Python • C++ • C# • HTML • CSS

Software/Frameworks
- Django • ReactJS • Bootstrap • Tailwind • MySQL • MongoDB • NodeJS • ExpressJS • Django REST

Tech
- Git • Terminal • Vscode • Postman • VIM • Docker • Firebase

Linguistics
- English • Arabic

EDUCATION

Bachelor of Science Computer Science, Towson University, Towson, MD GPA: 3.62/4.0   *May 2024*

Relevant Coursework: Java OOP(A) • DS & Algorithms(A) • Software Engineering(A) • Data Comm and Networking(A) • Operating Systems(now) • Database Management(now) • Programming Languages(now)

EXPERIENCE

Freelance UX Designer, Towson MD   *Aug-Dec 2021*
- Created web designs for businesses and worked with 3 clients a month
- Provided a 30% increase in online traffic after reworking the website for a local restaurant
- Utilized WordPress to offer clients ease of access to the website's content
- Developed, optimized, and maintained the websites utilizing HTML, CSS, JavaScript, and MySQL

Calculus Tutor, Towson MD   *Jan-May 2020*
- Provided two peer tutoring sessions every week during the semester
- Taught complex topics to students using simple terms
- Increased the average grade of peers by 10%

PROJECTS

Social media application using Django framework (Full-Stack)   *Jan 2023*
Personal project – Website – [GitHub](#)
- Developed the back-end using Django
- Utilized CRUD to manage database
- Utilized Django Authentication to create user login and maintain security
- Integrated Front-End user interface using CSS grid

E-Commerce REST API using Node.js and MongoDB   *Dec 2022*
Personal project – website – [GitHub](#)
- Created an E-Commerce REST API using NodeJS, Express, Stripe, JWT, MongoDB
- Integrated Stripe to allow for user transactions and online payments

Music recommender application that uses Spotify API to retrieve user metadata   *Sep 2022*
Personal Project – website – [GitHub](#)
- Led a group of 5: coordinated meetings, delegated tasks, and created documentation
- Developed an algorithm that uses API endpoints
- Used ReactJS, Bootstrap, CSS, JSX, Hooks (States) to create a modern design

Pathfinding Visualizer for Dijkstra's algorithm using Python and Pygame   *Feb 2022*
Personal project – website – [GitHub](#)
- Designed a visualizer that shows the shortest path between two points using Dijkstra's algorithm
- Integrated an interactive UI that allows users to test the algorithm and see it in action