

Mahmood Alsaghiri

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Education

Rutgers University-New Brunswick

New Brunswick, NJ
2024-2028 (*Expected*)

Certifications

- **Supervised Machine Learning: Regression and Classification** – DeepLearning.AI / Stanford Online (Coursera)

Projects

Sleep Score

Web application | React, JavaScript, HTML, CSS, NumPy, Python

- Built a machine learning powered web app to predict sleep quality based on factors such as sleep duration and other factors
- Engineered and trained a custom regression model using Python and NumPy on 400+ real-world examples to achieve accurate predictions and a mean absolute error of ~ 0.32
- Designed an intuitive frontend using the React library to enable users to input data and receive instant sleep quality predictions

Portfolio

Personal website | Figma, React, JavaScript, HTML, CSS

- Designed and developed a responsive portfolio website to showcase projects and skills
- Implemented animations and micro-interactions to enhance the navigation flow of the website
- Created prototypes in Figma before development to ensure a sleek and modern interface

Quantum Leap

Video game | GDScript, Godot

- Developed a complete game using the Godot game engine and published it on the itch.io website
- Wrote code in GDScript (Godot's proprietary programming language similar to Python) to implement player movement, random terrain generation, and a variety of other game mechanics.

Experience

Volunteer Tutor

Learn to Be

July, 2023 - September, 2023

- Tutored underprivileged children for free in subjects such as Algebra and Geometry

Relevant Coursework

Electronic Circuit Design (High School), Intro to Computer Science, Data Structures (current), Intro to ITI, Intro to Discrete Structures (current), Calculus II, Intro to Linear Algebra (current)

Relevant Skills

Technical: Java, Python, NumPy, TensorFlow, HTML/CSS, JavaScript, React

Soft Skills: Adaptability, Problem-solving, Verbal and written communication, Time management, fast learner

Language: English (first language), Arabic (fluent)