Danyal Nemati

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https://danyalnemati8.github.io/newjs/

EDUCATION

California State University, Fullerton, Fullerton, California

Bachelor of Science, Computer Science   Expected Graduation: May 2024

Relevant Coursework: Artificial Intelligence, Machine Learning, Data Structures, Statistics Applied to Natural Science, File Structures and Databases, Software Engineering, Object Oriented Programming

Dean's List for 3 Semesters

TECHNICAL SKILLS

- Programming Languages: Python, C++, Java, HTML/CSS, JavaScript, MySQL
- Frameworks: React, Bootstrap, Tailwind CSS
- Development Tools: GitHub, Git, FireBase, MongoDB Compass, Node.js, Linux Terminal

PROJECTS

Object Recognition *(Python)*   December 2023 - Present
- Performed a Convolutional Neural Networks model for object recognition on the CIFAR-10 dataset
- Utilized TensorFlow for data preprocessing, constructing a sequential model with Conv2D, Batch Normalization, MaxPool2D, flattening, and dense layers

NBA Predictor *(Python)*   October 2023 - Present
- Implemented logistic regression for predicting the probability of a team winning based on selected features
- For preprocessing box-score statistics: offensive and defensive ratings, field goal percentages, and home and away advantages based on previous season's Lakers team stats

Authenticator *(Back-End)*   August 2023 - Present
- Enhanced data security with the implementation of JSON Web Tokens (JWT) and one-time PIN (OTP) mechanisms for rigorous request authorization
- Fortified user credential confidentiality by employing bcrypt hashing algorithms within the MongoDB Compass database, ensuring robust protection against potential security breaches

GPU Price *(Front-End/ Back-End)*   June 2023 - Present
- Implemented Google Auth and JavaScript for secure data storage and an intuitive interface in a GPU price-tracking web app
- Automated Python script execution using GitHub workflows for streamlined processes and consistent real-time updates

CERTIFICATIONS

- Google Data Analytics Certificate (In Progress)
- Meta Back-End Developer Professional Certificate (In Progress)
- Meta Front-End Developer Professional Certificate (In Progress)

EXPERIENCE

ASSURE-US   Fullerton, CA

Research Intern   May 2022 - July 2022
- Built a Python script showcasing strongest lifter and how neural networks are superior to logistic regression for prediction accuracy on Powerlifting competition dataset

Woodbridge Village Association   Irvine, CA

LifeGuard   April 2019 - September 2021
- Promoted to Lead Lifeguard after a tenure marked by vigilant child safety measures and swift responses. Led the lifeguard team to maintain a secure aquatic environment

EXTRA CURRICULAR ACTIVITIES

- Active ACM (Association for Computing Machinery) Algorithms member at CSUF since September 2020
- Powerlifting California State Champion 2022