Mehdi Emadi

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Summary

Software developer experienced in creating tailored solutions. I've worked on various projects, from streamlining order management to building an e-commerce platform using Django. Skilled in Python, API integration, and database management, I focus on user-friendly designs and scalable solutions.

Experience

Radin Gallery - E-commerce Website Development using Django

Radin Afzar

Jun 2023 - Dec 2023 (7 months)

Experience Radin Gallery, an advanced Django-powered e-commerce hub, delivering secure transactions, inventory control, and user-friendly navigation. Explore its comprehensive features, including multi-address support, detailed product listings, wishlist management, and seamless payment gateways at https://mahdiemadi.ir.

Radin Sports Inventory Manager

Radin Afzar

Mar 2023 - Jun 2023 (4 months)

Developed Radin Sports companion program using Python, Kivy, KivyMD. Enabled real-time order tracking, product management, and insightful analytics. Seamlessly integrated with Flask API, MySQL, offering cross-platform compatibility for enhanced user experience.

RadinSport2_ios

Radin Afzar

Mar 2023 - May 2023 (3 months)

This mirrors RadinSport_2_apk and concurrently developed for iOS platform.

RadinSport2_apk

Radin Afzar

Jul 2022 - Mar 2023 (9 months)

Upgraded Radin Sports software to a comprehensive store solution. Implemented MySQL backend, Linux server with Flask APIs, and 45-minute order locking. Employed Kivy, KivyMD widgets, threading, and Lottie animation for optimized performance and enhanced UX.

RadinSport1_apk

Radin Afzar

Jun 2020 - Jul 2021 (1 year 2 months)

Developed Python-based Radin Sports software for Digikala marketplace integration, transitioning from web scraping to API utilization. Automated inventory updates, enhanced customer visibility, gaining

proficiency in software development, API integration, and web scraping.

Product management software
Radin Afzar

Sep 2019 - Jun 2020 (10 months)

Developed Windows-based product management software for Radin Sports Complex, streamlining order processing, inventory updates via Excel files, and automated PDF sales reports. Utilized openpyxl and transitioned to pandas for enhanced data efficiency.

Technical Expert
Istafer Construction Company

Mar 2015 - Jun 2018 (3 years 4 months)

Neuro-fuzzy Modeling for Tuned Mass Dampers in Seismic Vibration Control Research
Allameh Mohaddes Nouri University

May 2015 - May 2018 (3 years 1 month)

In this research project, we conducted an in-depth investigation into the behavior of nickel-titanium shape memory alloy. Our study utilized laboratory results from previous research studies and focused on the unique properties of these materials, including their shape memory and superelastic properties. Additionally, we explored the significant energy absorption capabilities exhibited by the alloy during cyclic loading.

To model and analyze the behavior of the shape memory alloy, we employed a neuro-fuzzy approach. Using MATLAB R2013b software, we created a neural-fuzzy model that accurately captured the material's response under various loading conditions. Specifically, we examined the alloy's behavior across a frequency range of 0.05 to 2 Hz and within five different strain intervals.

The developed behavioral model was then implemented as a mass damper spring within a dynamic system comprising multiple degrees of freedom. This system was subjected to seismic accelerations simulating earthquake conditions. By analyzing the system's response, we gained valuable insights into the effectiveness of the shape memory alloy as a means of mitigating seismic effects.

Project Control Expert
Artemis co.

Mar 2013 - Apr 2014 (1 year 2 months)

Project Engineer
Artemis co.

Nov 2012 - Feb 2013 (4 months)

Education

Allameh Mohaddes University
Master's degree, Civil Engineering

May 2015 - May 2018

Licenses & Certifications

Web Application Technologies and Django - University of Michigan | Coursera
8MY7TTLQM4RJ

Building Web Applications in Django - University of Michigan | Coursera
UMTLKQX4GVL2

Django Features and Libraries - University of Michigan | Coursera
JWV7U7UMB3L6

Advanced Python Programming - Maktabkhooneh (خونه‌مکتب)
Issued Jul 2021 - Expires Sep 2021
MK-D7ZJGZ

Python Programming for Beginners - Maktabkhooneh (خونه‌مکتب)
Issued Mar 2021 - Expires Sep 2021
MK-7WSCAY

Skills

Problem Solving • docker • Celery • RabbitMQ • Django • PostgreSQL • Object-Relational Mapping (ORM) • Cascading Style Sheets (CSS) • HTML • Hypertext Transfer Protocol (HTTP)