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Navid Ashraf

Dedicated and motivated Master's student specializing in Computer science, driven by a profound passion for research in optimization and machine learning. Recognizing the transformative impact of optimization in solving complex problems and the dynamic capabilities of machine learning in extracting meaningful insights from data, I am enthusiastic about contributing to advancements at the intersection of these fields. Eager to embark on research endeavors that explore innovative solutions, my objective is to leverage optimization and machine learning to address real-world challenges and make lasting contributions to the ever-evolving landscape of intelligent systems.

EDUCATION

Allameh Tabataba'i university, Tehran — *Master of Science (MSc), Computer Science, Systems Theory*

August 2022 – Present

- GPA: 4 (on a 4.0 GPA scale)
- Thesis: A multi task learning based architecture for recommender systems utilizing knowledge graph

University of Tehran, Tehran — *Bachelor of Engineering (BE), Polymer Engineering,Plastics Engineering*

August 2011 – June 2016

- GPA: 2.25 (on a 4.0 GPA scale)

EXPERIENCE

Allameh Tabataba'i University, Tehran — *Linear Algebra Teaching Assistant*

January 2023 – july 2023

- Under the supervision of Professor Hossein Teimoori.
- In this role, I conducted classes to solve example problems. I supervised bachelor students and successfully administered two examinations.

Allameh Tabataba'i University, Tehran — *Data structures and Algorithms Teaching Assistant*

September 2022 – july 2023

- Under the supervision of Professor Hassan Rashidi.
- In this role, I conducted classes to solve example problems. I supervised bachelor students and graded homework assignments.

Nilgam, Tehran — *Wordpress Developer*

June 2018 – July 2020

- As a WordPress Developer, I specialized in creating and customizing WordPress themes and plugins. I was responsible for developing and maintaining website functionality, ensuring seamless user experiences. Collaborated with cross-functional teams to implement design specifications, troubleshoot issues, and optimize website performance.

Nilgam, Tehran — *Content Writer*

January 2016 – June 2018

- As a Content Writer at Nilgam, I created engaging content for diverse platforms, including websites, blogs, and social media. I conducted thorough research to ensure accuracy and relevance, collaborating with stakeholders to align content with brand messaging and marketing goals. Additionally, I optimized content for SEO to maximize online visibility and enhance audience engagement.

Skills

Technical Skills:

- Python: Proficient
- JavaScript: Advanced
- Machine Learning: Advanced
- Deep Learning: Advanced
- Data Visualization: Competent
- Optimization: Competent
- Git: Competent
- C++: Competent

Soft Skills:

- Communication
- Teamwork
- Problem-solving

LANGUAGES

- **Persian:** Native
- **English:** Full professional proficiency

Projects

- MLP neural network implementation – [Github link](#)
- Tehran stock exchange market watch crawler – [Github link](#)
- Telegram bot – [Github link](#)
- Movie Recommender System – [Github link](#)

Certificates

- Advanced Python, LinkedIn – [credential](#)
- Intermediate Machine Learning, Kaggle – [credential](#)
- Data Visualization, Kaggle – [credential](#)
- Quantum computing & programming, Qworld – [credential](#)

Publications

Investigating Deep Neural Network Architecture and Feature Extraction Designs for Sensor-based Human Activity Recognition

Danial Ahangarani, Mohammad Shirazi, Navid Ashraf

- Seventh International Conference on Internet of Things and Applications (IoT 2023)