ALI QASEMI

Qom, Iran

✉ Qasemi4245qq@gmail.com — in LinkedIn — ○ GitHub — ⊘ Personal Blog — ☎ +989195884064

Objective

I am seeking a machine learning role focused on deep learning and neural networks, where I can apply my knowledge of TensorFlow, Keras, and PyTorch to develop and optimize AI models. Additionally, I am interested in backend development to support scalable machine learning applications.

Education

- **Shahrood University of Technology (2020 – 2022)**
  Master's degree in Software Engineering
  Developed a tourism destination recommendation system using Python, integrating Density Means clustering and Genetic Algorithms to improve recommendation accuracy. Achieved a 28% improvement in precision and user satisfaction compared to traditional methods, enhancing personalization and contributing to the application of evolutionary algorithms in data-driven systems.

- **Shahrood University of Technology (2016 – 2020)**
  Bachelor of Engineering in Software Engineering

Experience

- **Backend Developer, Fitamin (Dec 2024 – Present)**

  - Developed backend services and additional features using PHP Laravel.
  - Designed and implemented a notification service to improve user engagement.
  - Attempting to research how we can develop chat functionality with LLM models(RAG and fine tuning), but it has not yet been implemented.

- **Backend Developer, yasin.ai (Jun 2023 – Nov 2024)**

  - Led initial development of the Shia Muslim application, including backend and management panel.
  - Implemented data streaming for videos, live streams, and audio, categorized and tagged for user subscriptions.
  - Developed streaming data services using Golang and the Mux framework, achieving a 30% increase in streaming speed without server crashes.
  - Optimized performance using PHP Laravel and Octane, reducing latency from 500ms to 150ms and increasing requests per second from 120 to 190.
  - Fully dockerized the application with services like MongoDB, MySQL, Redis, MinIO, and Prometheus for scalability.

- **Backend Developer, willaarts (Sep 2020 – Aug 2022)**

  - Designed a web builder panel using PHP Laravel and Vue.js, enabling client website design.
  - Developed LMS and roll call systems integrating PHP Laravel backend and Vue.js frontend.
  - Created a podcast server with publishing capabilities and contributed to multiple client modules.

Machine Learning Skills

Machine Learning Frameworks: TensorFlow, Keras, PyTorch
Data Analysis Libraries: NumPy, Pandas, scikit-learn, Matplotlib, Seaborn
Deep Learning: Neural Networks, CNNs, RNNs, Transfer Learning, Hyperparameter Tuning
Optimization Techniques: Genetic Algorithms, Clustering (e.g., Density Means)
Model Deployment: Docker, TensorFlow Serving

Natural Language Processing (NLP) Skills

Libraries: NLTK, Hazm, SpaCy, Gensim, Transformers
Techniques: Text Preprocessing, Lemmatization, Stemming, Tokenization, Named Entity Recognition (NER), Sentiment Analysis, Word Embeddings
Languages: Python, Persian NLP

Skills

Programming Languages: PHP, Python, Golang
Technologies: Laravel, MySQL, MongoDB, Docker, Redis, MinIO, Vue.js, Octane
Other: Algorithm Design, Data Structures, Backend Development

Courses

- Deep Learning Course (Certification Pending - End of Course Not Yet Received) at Quera

- Professional Project-Oriented Course In Natural Language Processing (NLP) at Quera
  Certificate Link

- Docker Expert at TOSINSO
  Certificate Link

- Task-Oriented Course in Version Control with Git at Quera
  Certificate Link

- Advanced Algorithmic Thinking and Data Structure at Quera
  Certificate Link

Additional Information

Military Service: Completed (November 2022 – October 2024)