

Faezeh Ghorbannezhad

AI Engineer

Phone: +(971) 581425726

Address: Dubai, United Arab Emirate

Email: fghorbannezhad@gmail.com

LinkedIn: [linkedin.com/in/faezeh-ghorbannezhad-27121249/](https://www.linkedin.com/in/faezeh-ghorbannezhad-27121249/)

SUMMARY

I am a passionate and highly skilled data scientist with a strong problem-solving mindset and a robust educational background. I excel at leveraging data-driven models to solve complex business challenges and drive significant ROI. With 11 years of experience in the tech industry, spanning both software engineering and data science, I bring a wealth of expertise to the table. My experience as a data scientist has sharpened my abilities in designing recommender systems, ranking algorithms, and deep neural networks for traffic prediction, with a focus on Long Short-Term Memory (LSTM), attention models, and Recurrent Neural Networks (RNN). This diverse skill set equips me to effectively tackle a wide range of technical challenges.

PROFESSIONAL EXPERIENCE

Company: Ofload, SYD, NSW.

Role: Data Scientist (2022 - Present)

Responsibilities:

- Identify patterns, trends, and relationships based on data and stakeholders.
- Test and refine models to ensure their effectiveness
- Monitor model performance and make necessary adjustments

Achievements:

- Built an innovative tool for the auto-allocation of carriers to shipments which aligned with digital end to end allocation goal
- Collaborate in building and maintaining a recommendation system for freight allocation process leveraging machine learning algorithms that Nearly 80% of total shipments were allocated using this engine
- Collaborated in building the ML model for price estimation to help Ops team and end-users achieve a fully digitized load platform
- Built a carrier ranking model with ML algorithms to aid in decision-making processes.
- Developed geospatial similarity recommender to aid decision maker in allocation process
- Developed feature calculation package through ETL process
- Developed and maintained integration APIs in both ML models Laravel PHP web application

Company: Ofload, SYD, NSW.

Role: Backend Engineer (2021 - 2022)

Responsibilities:

- Software architecture design and backend development
- PHP backend development (both web and Restful API)
- Collaborate with cross-functional teams to design and implement new features.

Achievements:

- Developed and maintained both web and API based applications for a digital road freight platform. This startup was named as one of the most Innovative companies in AU/NZ for 2022

Company: Sanaye Ertebat Parshooshmand Tadbir, TEH,IR.

Role: Team Lead, Senior Backend Engineer (2016 - 2020)

Responsibilities:

- Develop and maintain web applications using the Laravel framework.
- Troubleshoot, test, and maintain products to ensure optimal performance and functionality.
- Team lead with 20 members
- DevOps and server management

Achievements:

- Developed, maintained, and set up infrastructure for an educational application for Islamic Azad University with 10,000 concurrent users for online classes during the pandemic
- Developed APIs for [TOP mobile application](#). Currently, +5 million users are using this app in Iran
- Set up DevOps processes, including CI/CD and Docker

Company: Web Negar, Co, TEH,IR.

Role: Backend Engineer (2015 - 2016)

Responsibilities:

- Develop and maintain web applications using the Yii framework.
- Software architecture design

Achievements:

- Developed more than 10 customized LMS web applications.
- Modularized Moodle LMS and integrated with customized LMS.

Company: Shiveh Software, Co, TEH,IR.

Role: Web Developer (2014 - 2015)

Responsibilities:

- Develop and maintain web applications using the Zend framework (PHP, Javascript, CSS)
- Analyzed new features and propose software architecture

Achievements:

- Collaborated and implemented new functionalities and features in largest AVL (automatic vehicle location) web application in Iran

Company: Avid Web Idea, KARAJ,IR.

Role: Web Developer (2012 - 2014)

Responsibilities:

- Software architecture design
- frontend and backend development
- DevOps and server management

Achievements:

- Developed one of the first web accounting applications in Iran.

EDUCATION

Master of Science in Artificial Intelligence
Islamic Azad University, 2021

- **Thesis:** "Providing a Hybrid Model based on Deep Learning to Predict Urban Traffic Flow"
Focused on LSTM, CNN, attention model, time-series analysis, detect anomalies
- **Relevant Coursework:** Machine Learning, Deep Neural Networks, Data Analysis, Optimization
- **Honors:** Graduated with Distinction, Top 5% of class
- Developed strong skills in Python, TensorFlow, and data modeling

Master of Science in GIS and Remote Sensing
Tarbiat Modares University, 2011

- **Thesis:** "Evaluation of Scale and Resolution in Quality of Fuzzy-Based Erosion Modeling"
Focused on Geographic Information Systems (GIS), Remote Sensing, and Fuzzy Systems
- **Relevant Coursework:** Geospatial Data Analysis, Image Processing, Environmental Modeling
- Developed advanced skills in spatial analysis and data interpretation using GIS tools

Bachelor of Science in Natural Resources and Conservation
Tehran University, 2008

- **Honors:** Ranked A, Top Student
- **Relevant Coursework:** Environmental Science, Conservation Policy, Natural Resource Management
- Gained foundational knowledge in sustainability, environmental planning, and conservation strategies

SKILLS

- | | | |
|---|---|---|
| <ul style="list-style-type: none">• Python, Pandas, Numpy• Matplotlib, Seaborn, Plotly• Pytorch, Tensorflow, Scikit-learn• SQL, NoSQL, Redis, MongoDB, Postgres, MySQL | <ul style="list-style-type: none">• Streamlit, FastAPI, Django• Machine Learning, Statistical Modeling• Deep Learning, Neural Network,• Natural Language Processing, Generative AI• time-series analysis, ARIMA | <ul style="list-style-type: none">• AWS Cloud, Docker, Kubernetes, GIT• PHP, Laravel, Javascript, CSS• Team Work, Teaching Skills, Mentoring, problem solving skills, Analytical thinking |
|---|---|---|

COURSES

- Deep Learning Specialization -DeepLearning.AI (Coursera)
- Python for Data Science and Machine Learning Bootcamp -(Udemy)
- AWS Certified Machine Learning Specialty 2024 - Hands On! (Udemy)
- The Data Science Course: Complete Data Science Bootcamp 2024 - (Udemy)
- Ultimate AWS Certified Cloud Practitioner CLF-C02 - (Udemy)