

Meshkat Shariat Bagheri

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EDUCATION

University of Tehran

Tehran, Iran

M.Sc. in Information Technology Engineering

Sep 2020 - Sep 2024

- *Thesis Title:* "Text Summarization with Graph Neural Networks;" Introduced a novel *Community Detection Long-Text Summarization (CDLTS)* model combining community detection techniques with GAT.
- *Supervisor:* Dr. Salehi
- *Relevant Coursework:* Text Mining(A+), Machine Learning(A), Social Networks(A+), Complex Networks(A), Information Network Analysis (A)
- *GPA w/o failed courses:* 3.61 (Last two semesters: 3.75)

University of Tehran

Tehran, Iran

B.Sc. in Computer Engineering

Sep 2015 - Sep 2020

- *Thesis Title:* Implementation of the OpenStack Tool as an Internet of Things (IoT) Platform
- *Supervisor:* Dr. Khonsari
- *Relevant Coursework:* AI, Internet Engineering, Data Structure, Algorithm Design, Advanced Programming

RESEARCH INTERESTS

Large Language Models – NLP – Graph Neural Networks – Data Analysis – MLOps – Social Networks – Web Development

TEACHING EXPERIENCE

University of Tehran

Tehran, Iran

Teaching Assistant

2019 - 2024

- Information Network Analysis (Inst. Dr. Salehi) Fall 2024
- Mathematical Theory of Systems (Inst. Dr. Ebrahimi) Fall 2024
- Research Methods (Inst. Dr. Zare) Fall 2023
- Computer Networks Security (Inst. Dr. Sayyad Haghighi) Fall 2019, Spring 2020, Fall 2020
- Operating Systems (Inst. Dr. Kargahi) Fall 2019, Spring 2020
- Computer Networks (Inst. Dr. Khonsari) Fall 2019, Spring 2020

PUBLICATIONS

DCOR: Anomaly Detection in Attributed Networks via Dual Contrastive Learning Reconstruction, *H. RafieiZade, H. Zare, M. Ghassemi Parsa, H. Davardoust, and M. Shariat Bagheri.* Complex Networks & Their Applications XIII. COMPLEX NETWORKS 2024 2024. Studies in Computational Intelligence, vol 1189. Springer, Cham. Available at Springer Chapter.

WORKING EXPERIENCE

AI Engineer

Jun 2025 – Present

Gam Electronics – Almas Team

Tehran, Iran

- Created a completely local ChatBot integrated with reasoning models + RAG capability based on the company's documents. Additionally, I integrated it with RocketChat via API for more convenience.
- Implemented advanced search application which converts natural language into OracleDB fields, leading to nearly 30% increase in user satisfaction for our users.
- Implemented invoice generator application. Based on a template, it generates an invoice by chatting with the user and getting information from the user through a question-answering system.
- Implemented a meeting application that takes voice as input and outputs the meeting minutes for a more automated system. This feature leads to reducing the workload of users.
- Stack: LangChain, LangGraph, Ollama, Llama.cpp, PyTorch, Transformers, Streamlit, Gradio.

Website Administrator

Jan 2023 – Jan 2024

Bio-Ceramic & Implants, University of Tehran

Tehran, Iran

- Updated website content, increasing user satisfaction by 20% and traffic by 15% in 6 months.
- Stack: HTML/CSS, React.js, Express.js, Google Analytics

Software Engineer

Jun 2023 – Oct 2023

Gam Electronics – Zomorrod Team

Tehran, Iran

- Boosted system performance by 30% and responsiveness by 15% via architecture and feature enhancements.
- Stack: .NET, Jira, Swagger, Git

Software Developer

Aug 2019 – Mar 2020

Najva – Retention Marketing Platform

Tehran, Iran

- Improved service speed by up to 30% and code quality by 40% through optimization and refactoring.
- Cut report query time by 25%, enhancing user experience and backend efficiency.
- Adopted best coding practices (e.g., PEP8) and strengthened team collaboration.
- Stack: Django REST, Python, Linux, Nginx, Redis, Git, Jira, PyCharm

PROJECTS

browser-webui Contributor (GitHub) | *Python, Git*

Jan 2025 – Present

- Enhanced UX for a 55K+ starred open-source project by adding default LLM configurations and suppressing warnings.
- Improved maintainability via code refactoring and LLM config handling.
- Fixed key issues (e.g., `UnboundLocalError`) to ensure stable browser startup/shutdown.
- Updated docs for theme-related CLI options.

Zero-to-Mastery Series (GitHub) | *Python, NLP, ML, Git*

Jul 2024 – Present

- Created a hands-on learning series covering Python, LLMs, NLP, and software development.
- Includes real-world projects and structured tutorials. Featured: `LangChain`, `LLM`.

RZN Campaign (GitHub) | *Express.js, Vue, MongoDB, MySQL, Git*

Oct 2022 – Mar 2023

- Built a QR-enabled PWA for product identification, increasing engagement by 30%.
- Automated prize allocation via login-based system, distributing 500 prizes.

E-Commerce Platform (Ponisha) | *TypeScript, React, Tailwind, Git*

Jan 2022 – Sep 2022

- Developed a lightweight Amazon-style e-commerce site, boosting product addition speed by 25% and purchases by 40%.

TECHNICAL SKILLS

• **Artificial Intelligence:** GNN, LLM, NLP, DL, ML, Data Science

• **Frameworks:** LangChain, PyTorch, PostgreSQL, AWS.SageMaker

• **Languages:** Python, Go, JavaScript

• **Tools:** Git, NumPy, Pandas, SciKit-Learn, MySQL, Matplotlib, Seaborn

MISCELLANEOUS EXPERIENCE

Awards and Achievements

- **Master's Entrance Exam** – Among top 1% of candidates in Information Technology Conquer's Master's entrance exam 2020
- **CodeCup** – Ranked 257th in the Primary CodeCup Contest among more than 1400+ Teams. 2016
- **Bachelor's Entrance Exam** – Among top 0.1% in the university entrance exam in Computer Engineering Conquer. 2015