Meshkat Shariat Bagheri

+98902-111-9991 | [Email](#) | [LinkedIn](#) | [GitHub](#) | [Portfolio](#) | [Google Scholar](#)

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

Agentic AI - Large Language Models - NLP - Graph Neural Networks - Data Analysis - MLOps - 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, as well as its integration with RocketChat and Zulip via API for more convenience. Connected to MS CRM software to register cases.
- Implemented an OCR system via multiple different OCR models, including DeepSeek-OCR, recognizing all the document texts on our Oracle Database (+250k records, each record containing multiple pages).
- Implemented a recommender app; given any number of documents, an agent compares them and then decides if the paragraphs or clause (especially in contracts) contradict each other. Based on the selected sources, the agent comes up with a recommended phrase to be replaced in the new document(s).
- Implemented advanced search application which converted natural language prompt into OracleDB fields, leading to nearly 30% increase in user satisfaction for our users via both fine-tuning Alibaba's Qwen3:8b model and using enhanced version of Google's LangExtract.

- Implemented invoice generator application. Based on any given template, the reasoning model generates an invoice via obtaining required information from the user through a question-answering (QA) system.
- Implemented an ASR application using VOSK model. Taking voice as input and the desired transcription as output.
- **Stack:** *LangChain, LangGraph, Ollama, Llama.cpp, PyTorch, Transformers, Streamlit, Gradio, OCR, Sloth(FT).*

Website Administrator
Bio-Ceramic & Implants, University of Tehran
Jan 2023 – Jan 2024
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
Gam Electronics – Zomorrod Team
Jun 2023 – Oct 2023
Tehran, Iran
- Boosted system performance by 30% and responsiveness by 15% via architecture and feature enhancements.
- **Stack:** *.NET, Jira, Swagger, Git*

Software Developer
Najva – Retention Marketing Platform
Aug 2019 – Mar 2020
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 Framework, Python, Linux, Nginx, Redis, Git, Jira, PyCharm*

PROJECTS

Google LangExtract Contributor (GitHub) | *Python, Git*   Aug 2025 – Present
- Implemented Llama.cpp support to run the whole model on CPU.
- Added Persian, Chinese, and Japanese support for rendering.

browser-use 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:** Agentic AI, LLMs, GNN, NLP, DL, ML, MLOps, Data Science
- **Frameworks:** LangChain, LangGraph, 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