

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
- *Relevant Coursework:* Text Mining(A+), Machine Learning(A), Social Networks(A+), Complex Networks(A), Information Network Analysis (A)
- *GPA:* 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
- *TAed for courses:* Computer Networks, Computer Networks Security, and Operating Systems designed more than 10 assignments in Python/C++/Bash, helped 100+ students
- *Relevant Coursework:* AI, Internet Engineering, Data Structure, Algorithm Design, Advanced Programming
- *GPA:* 3.0 (Last two years: 3.52)

University of Tehran

Tehran, Iran

Teaching Assistant

2019 - 2024

- Information Network Analysis (Fall 2024) Instructed by **Dr. Salehi**
- Mathematical Theory of Systems (Fall 2024) Instructed by **Dr. Ebrahimi**
- Research Methods (Fall 2023) Instructed by **Dr. Zare**
- Operating Systems (Fall 2019, Spring 2020) Instructed by **Dr. Kargahi**
- Computer Networks (Fall 2019, Spring 2020) Instructed by **Dr. Khosari**
- Computer Networks Security (Fall 2019, Spring 2020, Fall 2020) Instructed by **Dr. SayyadHaghighi**

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*. In *Proceedings of the 13th International Conference on Complex Networks and Their Applications*, Istanbul, Turkey, 2024 (In Press). Available as arXiv preprint [arXiv:2412.16788](#).

EXPERIENCE

Website Administrator

Jan 2023 - Jan 2024

Bio-Ceramic & Implants - Official Website of Lab for University of Tehran

Tehran, Iran

- Updated website content, including text, images, and multimedia elements, resulting in a 20% increase in user satisfaction and a 15% boost in website traffic within six months
- Technologies used: HTML/CSS, React.js, Express.js, Google Analytics

Software Engineer

Jun 2023 – Oct 2023

Gamelectronics - Document Management System

Tehran, Iran

- Leveraged .NET Framework to enhance system functionalities, leading to a 10% performance boost and 15% faster response time
- Contributed significantly to the enhancement and optimization of software architecture, leading to a 30% improvement in system performance, enhanced scalability, and increased overall efficiency
- Technologies used: .NET, Jira, Swagger, Git

Software Developer

Aug 2019 - Mar 2020

Najva - The Most Popular Retention Marketing Service

Tehran, Iran

- Optimized multiple services such as RSS, achieving a 25% performance boost and 30% faster response time. Enhanced codebase for a 40% increase in quality metrics
- Implemented industry-standard coding practices and version control protocols to maintain high code quality (PEP8) and promote collaboration across projects, resulting in improved maintainability and enhanced team productivity
- Reduced database query time for full reports on the main service page by 25% through performance enhancements, resulting in significantly improved efficiency and user experience
- Technologies used: Django REST Framework, Python, Linux, Nginx, Git, Jira, PyCharm, Redis

SELECTED PROJECTS

- Contributions to browser-webui** ([GitHub](#)) | *Python, Git* Jan 2025 – Present
- Contributed to a open-source GitHub project with currently over 2,000 stars, enhancing user experience and functionality.
 - Developed features to suppress user warnings by setting default values for the LLM provider and model, improving usability.
 - Refactored and generalized code for maintainability, including better handling of LLM configurations.
 - Resolved critical bugs, such as `UnboundLocalError`, ensuring smooth browser initialization and closure.
 - Enhanced project documentation by detailing the usage of `--theme` and `--dark-mode` options.
- Zero-to-Mastery Series** ([GitHub](#)) | *Python, NLP, ML, Git* Jul 2024 – Present
- Developed a series of repositories (*LangChain, LLM, PyTorch, Python*) to guide learners from basic to advanced concepts in Python, large language models, NLP, and software development.
 - Includes hands-on projects, real-world examples, and structured tutorials to facilitate skill-building.
 - Featured repositories: [langchain-zero-to-mastery](#), [llm-zero-to-mastery](#).
- RZN Campaign** ([GitHub](#)) | *Express.js, JS, Vite, Nginx, Vue, MongoDB, MySQL, Git* Oct 2022 – Mar 2023
- Developed an application (PWA) enabling QR code scanning for product identification
 - Achieved a 30% increase in user engagement through QR code scanning feature
 - Orchestrated prize selection process using login numbers, awarding 500 prizes to users
- E-Commerce** ([Ponisha](#)) | *TypeScript, React, Redux, npm, JavaScript, Tailwind, Shadcn/ui, Git* Jan 2022 – Sep 2022
- Developed a lightweight e-commerce platform utilizing TypeScript, React, and JS to mirror Amazon's functionality
 - Accelerated the product addition process by 25% and boosted successful user purchases by 40%

TECHNICAL SKILLS

- **General:** Data Analysis, Data Science, Natural Language Processing (NLP), ML, AI, GNN
- **Frameworks:** PyTorch, Tensorflow, Keras, Django, Node.js, MongoDB, PostgreSQL
- **Languages:** Python, SQL, Go, JavaScript
- **Tools:** Git, NumPy, Pandas, SciKit-Learn, MySQL, Matplotlib, Seaborn

MISCELLANEOUS EXPERIENCE

Awards and Achievements

- **National PhD Entrance Exam** – Placed 4th in the Information Technology Conquer PhD National Entrance Exam out of 1000+ participants. 2024
- **Master's Entrance Exam** – Achieved 80th rank in Information Technology Conquer's Master's entrance exam out of 100,000+ participants, showcasing exceptional knowledge and expertise in the field. 2020
- **CodeCup** – Ranked 257th in the Primary CodeCup Contest among more than 1400+ Teams. 2016
- **Bachelor's Entrance Exam** – Ranked 300th in the entrance exam for universities among more than 300,000 participants in Computer Engineering Conquer. 2015

Certificates

- **Coursera** – IBM Full Stack Software Developer. 2024
- **Coursera** – Machine Learning Engineering for Production Specialization. 2024
- **Udemy** – NodeJS Tutorial and Projects Course. 2023
- **IELTS** – Band Score of **6.5** (TRF) 2023
- **Deeplearning.ai** – Certificate of Deep Learning Course taught by Dr. Andrew Ng (offline). 2023

RESEARCH INTERESTS

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