Zeinab Kamkar

PERSONAL DATA

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EDUCATION

Bachelor's in Computer Engineering   **2018 - 2022**
Shiraz University, Iran

GPA: 17.21/20, Ranked **5th** of 78

Thesis: A Framework for Standardizing Graph Classification Dataset Formats
- Standardized graph classification datasets into a specific format, enhancing the quality of research in the field.
- Evaluated a machine learning algorithm on standardized datasets, contributing to the advancement of graph classification research.
- Supervisor: Prof. Taheri

**Transitioned from Material Engineering (2016-2018)

Pre-University in Mathematics and Physics   **2015 - 2016**
Bentolhoda Sader Center, Iran

GPA: 16.71/20, Top **6%** in Iran National Universities Entrance Exam

High School in Mathematics and Physics   **2012 - 2015**
Bentolhoda Sader Center, Iran

GPA: 19.44/20, Ranked **1st** among all students

ACADEMIC EXPERIENCES

Research Assistant   **Sep. 2022 - Apr. 2023**
CSE and IT Department at Shiraz University, Shiraz, Iran

Collaborating in a research team at Shiraz University under the supervision of Prof. Taheri
Research Area: graph-based pattern recognition

Teaching Assistant   **Feb. 2022 - Jun. 2023**
CSE and IT Department at Shiraz University, Shiraz, Iran

Conducting tutorial classes, designing and marking assignments in Data Structure & Algorithms course

WORK EXPERIENCES

Software Developer (Remote)   **Sep. 2024 - Present**
Canadian Prime Jobs Company, Canada

Led the front-end development of a user-friendly job matching website. Contributed to all phases of the project, including development, testing, documentation, and maintenance.

Software Developer (Remote)   **Jul. 2022 - Jul. 2024**
Delinternet Company, Spain

Serving as the primary Front-End Developer, contributed to the design and development of various large-scale web applications and Android apps

Software Developer (Remote)   **Sep. 2021 - Apr. 2022**
Teyhoo Rayaneh Company, Iran

Designing and implementing the admin and seller panel of an online store website.

ACHIEVEMENTS

- Awarded a full scholarship from Shiraz University (tuition waiver).   **2016**
- Achieved 3rd place in the Math Teams Competition in Shiraz City, Iran.   **2014**

ACADEMIC EXPERIENCES

Beshmar Android Application   by TypeScript, React Native   **2024**
Impementing an android application to streamline invoicing and manage financial transactions
efficiently for small businesses - Link

Graph Simulation by Python (Scikit-Learn, Pandas, NumPy, Matplotlib, networkx)   **2023**
Simulating Graphs and Evaluating Accuracy through KL Divergence

Edge Coloring by Python   **2021**
Applying Vizing's Theorem to color each edge of a graph in a way that the maximum number of colors
used would be at most one more than the maximum degree of the graph

Python to C Compiler by Python   **2021**
Developing python to C executable three address code Compiler via Yacc & Lex

Audio Noise Remover by MATLAB   **2020**
Developing a noise removal tool using FFT

News Classifier by Python (Scikit-Learn, Pandas, NumPy, Matplotlib)   **2020**
Classifying fake and real news on Twitter using Decision Trees and Random Forest models

Game Engine by C programming language   **2018**
Implementing a game design standard, which indicates the rules of the game.

CERTIFICATIONS

- "Machine Learning with Python," Organized by Coursera.   **2023**
- "Data Analysis with Python," Organized by Coursera.   **2023**
- "Python for Data Science, AI and Development," Organized by Coursera.   **2023**
- "Tools for Data Science," Organized by Coursera.   **2023**

SKILLS

- **Languages:** Python, C, C++, Java, MATLAB, JavaScript, TypeScript
- **Web:** HTML, CSS, React, Vue, React-Native, Next.js, Django, Material-UI, Tailwind, Next-UI, Vuetify
- **ML Libraries:** Scikit-Learn, Pandas, NumPy, SciPy, Seaborn, Matplotlib, NetworkX
- **Project Management:** Git, Agile Software Development (SCRUM)
- **Database:** SQL, MySQL
- **Operating System:** Windows , Linux

LANGUAGES

- **English** IELTS Overall Band Score 6.5 (Listening: 6.5, Reading: 7.0, Writing: 6.0, Speaking: 7.0)

REFERENCES

- **Mohammad Taheri** (Assistant Professor) | Shiraz University | **Email:** mtaheri@cse.shirazu.ac.ir
- **Morteza Keshtkaran** (Assistant Professor) | Shiraz University | **Email:** mkeshtkaran@cse.shirazu.ac
- **Mostafa Ebrahimi** (Software Team Leader) | Delinternet Company | **Email:** mostafa@delinternet.com