

Kiana Sherafati

+98-912-979-6935 | kiana.sherafati@aut.ac.ir

 [kiana sherafati](#) |  [kianasherafati](#) |  [kianasherafati.github.io](#)

Tehran, Iran

EXPERIENCE

- **Python bootcamp at Sematec** August 2023 - November 2023
Tehran, Iran
 - Developed a User Management desktop app
 - Got familiar with core concepts of python and SQL
- **ICDL course in Technical and Vocational Training Organization** August 2022 - October 2022
Tehran, Iran
 - Got proficient in Microsoft Word, PowerPoint, Excel and Access


TEACHING ASSISTANT EXPERIENCE

- **Applied Linear Algebra** Winter 2025
Professor M.Chehreghani
- **Software Engineering 1** Winter 2025
Professor E.Alirezaei
- **Applied Linear Algebra** Fall 2024
Professor E.Nazerfard
- **Principles of Database Design** Fall 2024
Professor Z.Poorbahman

EDUCATION

- **Amirkabir University Of Technology** September 2022 - Current
Bachelor's Degree in Computer Engineering
Tehran, Iran
 - * GPA: 17.08/20.00
- **National Organization For Development Of Exceptional Talents(SAMPAD)** September 2019 - September 2022
Secondary Education
Tehran, Iran
 - * GPA: 19.88/20.00

PROJECTS

- **English Learning Website: [Python language]** Fall 2024
Tools: [VS Code, Django, JavaScript, Cloud Database] 
 - * Built a microservice for learning words with pictures, featuring add, delete, edit, and search functions by category and level.
 - * Developed user progress tracking with reports and wrote tests to ensure system reliability.
- **XV6 Operating System: [C language]** Fall 2024
Tools: [VS Code, Docker]
 - * Enhanced the XV6 operating system by adding new system calls and enabling multithreading functionality
- **User Management: [Python language]** July 2024
Tools: [Pycharm, SQLiteStudio]
 - * Developed a Python User Management system simulation with Tkinter UI and SQLite database integration
- **Chatroom: [Python language]** June 2024
Tools: [Pycharm, DataGrip, MySQL]

- * Developed a chatroom in Python with MySQL
- * Featuring user management, contact lists, group and private chats and useful views

Fighting Game: [Verilog language]

January 2024

Tools: [ISE Design Suite]

- * Developed and simulated a two-player fighting game in Verilog
- * Featuring kick, jump and movement actions with each player having three lives
- * Implementing on FPGA board

Twitter: [JAVA language]

June 2023

Tools: [IntelliJ IDEA, SceneBuilder]



- * Developed a multi-threaded Twitter simulation using JavaFX
- * Featuring login, registration, follow / unfollow, tweet, retweet, like, profile management, blocklist, and a dynamic timeline
- * Ensuring smooth user interaction through effective concurrency management and intuitive UI design

SKILLS

- **Programming Languages:** Python, C++, C, Java, SQL, VHDL, Verilog, LATEX
- **Microsoft Apps:** Word, PowerPoint, Excel, Access
- **Database Management Systems:** MySQL, SQLite
- **DevOps & Version Control:** Git, Docker
- **Software Engineering:** Object-oriented Programming, Design Patterns, Microservices, Agile and Scrum, Unit Tests, Django

HONORS AND AWARDS

University Entrance Exam

June 2022

National Organization of Educational Testing

- * Ranked 163 among all participants in Iranian Nationwide Entrance Exam for Bachelor's Studies

Lifeguard Qualification

January 2024

Life Saving and Diving Federation

Medallist in collegiate swimming Competition

August 2024

The 16th cultural and sports Olympiad for students of Iranian universities

- * Gold and Bronze medallist in individual and relay races

ADDITIONAL INFORMATION

Languages: Persian (Native), English (Advanced)