

# Kiana Sherafati

+98-912-979-6935 | [kiana.sherafati@aut.ac.ir](mailto: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.Chehrehgani
- **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 custom system calls and enabling basic multithreading capabilities
- **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]*

- \* Designed and implemented backend logic for a Python-based chatroom with user authentication, private/group messaging, and MySQL integration
- \* 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
- **Networking:** OSI model, TCP/IP, Network Protocols, Routing Basics
- **Soft Skills:** Teamwork, Collaboration, Technical Presentation, Communication, Adaptability

## 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)

**Personal Website:** [kianasherafati.github.io](https://kianasherafati.github.io) – showcasing selected projects, CV, and interests