

EDUCATION

University of Guilan

Bachelor of Science, Computer Engineering

Rasht, Guilan, Iran

September 2021 - September 2025

- GPA: **18.77/20 (3.81/4)**, Last two years GPA: **19.48/20 (4/4)**
- Ranked 4th out of 61 graduating students.

RESEARCH INTERESTS


- ☐ Computational Linguistics and NLP
- ☐ AI-driven IoT Systems and Robotics
- ☐ Generative AI Models

PUBLICATIONS AND RESEARCH EXPERIENCE

- Fatemeh Ahmadi, Anita Kamani, **Rastin Maleki**, Pooya Kazemian, Yasaman Boreshban and S. A. Mirroshandel. **“PerCG: The Persian Common Ground Dialogue Corpus”**
Submitted to Language Resources and Evaluation
Co-authored a research paper focused on building a Persian dataset for understanding and predicting common ground in conversations, and evaluating LLMs on this task.
- M. Amin Rezanezhad, **Rastin Maleki**, Sepehr Rezaii Melal, Mahdi Aminian, and S. M. Shekarian. **“Modeling the Prediction of Indoor Humidity and Temperature in Smart Greenhouses by Combining LSTM and IoT”**
In progress
Co-authoring a research paper focused on combining IoT systems with LSTM models to predict indoor humidity and temperature.
- Rastin Maleki**, Mahdi Aminian. **“PolySilicon and Metal - A Glimpse on MOSFETs Design Challenges.”**
[\[PDF\]](#) [github.com](#)
Research Report
Conducted a research report exploring the changes in MOSFETs’ gate electrode material throughout time as the final research project for AVLSI course. Through this project, I learned how to properly write academic content following proper formatting, creating figures, and managing references.

PROFESSIONAL EXPERIENCE

Machine Learning Developer

SeeNous 

Part-time | Mashhad, Razavi Khorasan (Remote Part-time)

Since January 2025

- Trained deep learning models for fault detection in industrial machinery trained on vibration data.
- Built desktop applications tailored to company requirements using Python.
- Developed data cleaning pipelines.
- Integrated a Motion Detection and Amplification feature into the company’s product.

TEACHING ASSISTANCE EXPERIENCE

Teaching Assistant

Multiple Courses

University of Guilan

September 2021 - September 2025








Participated in more than six courses, chosen for my academic excellence, strong communication skills, and proficiency in providing instructional support. Designed and assessed students’ assignments and projects, provided complementary materials and conducted weekly troubleshooting sessions.

- Head Teaching Assistant, Data Structures, Instructed By Dr. S. A. Mirroshandel
- Head Teaching Assistant, Discrete Mathematics, Instructed By Dr. S. M. Shekarian
- Teaching Assistant, Electronic Circuits, Instructed By Dr. Mahdi Aminian
- Teaching Assistant, Advanced Programming, Instructed By Dr. S. A. Mirroshandel
- Teaching Assistant, Fundamentals of Computer Programming, Instructed By Dr. S. M. Shekarian
- Teaching Assistant, The Theory of Formal Languages and Automata, Instructed By Dr. S. M. Shekarian







SELECTED COURSES

- ☐ Deep Learning: 19
- ☐ Engineering Probability and Statistics (Data Science): 20
- ☐ Data Structures: 20
- ☐ Natural Language Processing: 19
- ☐ Advanced Programming: 20
- ☐ Algorithms Design: 19.91
- ☐ Artificial Intelligence: 19.21
- ☐ Signals and Systems: 19.5
- ☐ AVLSI System Design: 20




SELECTED PROJECTS (MORE PROJECTS ON GITHUB)

Labeling Dashboard <i>Qt, Software Development, Desktop Development, Clean Coding</i>	October 2025 <i>SeeNous</i>
QA and RAG on Guilan Food Recipes  <i>PyTorch, Fine-Tuning, LLM, RAG</i>	September 2025 <i>Course Project</i>
ELVA: Embedded Language Model and Virtual Assistant  <i>IoT, ESP32, Python, C, Hugging Face, LLM, TTS, STT</i>	January 2025 <i>Course Project</i>
Website Traffic Prediction  <i>Python, Data Science, Machine Learning, Classification Algorithms, Presentation and Documentation</i>	November 2024 <i>Datacamp Exam</i>
Product Sales Analysis  <i>Python, Data Analysis, Exploratory Data Analysis, Presentation and Documentation</i>	October 2024 <i>Datacamp Exam</i>
Physical Layout for a Two-Bit Comparator Using L-EDIT IC  <i>L-EDIT, Physical Layout, VLSI Design</i>	Winter 2024 <i>Course Project</i>
NeonBlaster: An Arcade Shooting Game on FPGA  <i>Cyclone® V FPGA, VHDL, Quartus Prime</i>	Fall 2023 <i>Course Project</i>
Bomber Friends Game  <i>Java, Java Swing, GUI, OOP</i>	Spring 2022 <i>Course Project</i>

SELECTED CERTIFICATIONS

Machine Learning Specialization (3 Courses)  <i>Machine Learning, Deep Learning, Reinforcement Learning, Data Ethics</i>	Coursera DeepLearning.AI <i>August 2025</i>
Python for Everybody Specialization (5 Courses)  <i>Web Scraping, Databases, Programming Principles, File Management, Data Cleansing</i>	Coursera <i>July 2025</i>
Data Scientist Certificate (Manually Graded Practical Exam)  <i>Exploratory Analysis, Statistical Experimentation, Model Development, Communication and Reporting</i>	DataCamp <i>November 2024</i>
Data Analyst Certificate (Manually Graded Practical Exam)  <i>Analytic Fundamentals, Exploratory Analysis, Data Management, Visualization and Reporting</i>	DataCamp <i>October 2024</i>
Data Engineer Certificate (Manually Graded Practical Exam)  <i>Programming for Data Engineering, Data Management, Exploratory Analysis</i>	DataCamp <i>October 2024</i>
SQL Associate Certificate  <i>Exploratory Analysis, Data Management</i>	DataCamp <i>October 2024</i>

HONORS AND AWARDS

- Ranked 4th among undergraduate students of major (2025).
- Acknowledged as exceptional talent by the University of Guilan for outstanding achievements (2025). 
- Achieved 2nd place in a university-level programming contest called Guilan CodeCup (2025). 
- Designed innovative problems for a university-level programming contest called Guilan ACM (2024). 
- Ranked within the top 6% among 127,000 participants in undergraduate Mathematics and Physics Iranian University Entrance Exam (SAT, the US equivalent) (2021).
- Ranked within the top 0.7% among 130,000 participants in undergraduate Foreign Languages Iranian University Entrance Exam (2021).

LANGUAGES AND TEST SCORES

Persian: Native **English:** Fluent