

MEHDI DARVISHI

Shiraz,Iran

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🌐 [Mehdi_Darvishi](#)

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EDUCATION

Shiraz University of Technology (SUTech)

B.Sc. of Electrical Engineering - Telecommunications - GPA 3.73 - 17.94/20

9 /2020 - present

Shiraz, Iran

Moaref High School

Diploma in Physics & Mathematics - GPA 3.79 - 18.43/20

9 /2016 - 7/2020

Shiraz, Iran

RESEARCH INTERESTS

- Antennas & Radar Design
- Microwave Components
(Waveguides, Resonators, ...)
- Microwave, Radar & Ultrasound Imaging
- Medical Equipment
- Digital Signal Processing

SELECTED COURSES

- Microwave I (19.5/20)
- Communication I (18.2/20)
- Data Transmission Systems (20/20)
- Analysis of Signals and Systems (17.8/20)
- Electromagnetics (17.8/20)

SELECTED PROJECTS

Microstrip Branch-Line Quadrature Hybrid

Microwave I Final Project

- **About the project:** Designed a coupler to measure directivity, coupling, isolation, and return loss parameters in different scenarios and optimize the parameters.

Wireless Data Transmission System

Data Transmission System Final Project

- **About the project:** Build a transceiver system through NRF24L01 module & Arduino to realize the efficient working range of NRF24L01 by transmitting message, voice, and variation in light intensity of the LED.

Microstrip Transmission Line

Microwave I Mid-term Project

- **About the project:** Designed microstrip transmission line to determine characteristic impedance accuracy and analyze the scattering parameters.

Resonator

Done as a hobby

- **About the project:** Designed cylindrical & rectangular resonators with the same volume to compare their Quality Factor in 10 modes with different amounts of epsilon.

TECHNICAL SKILLS

Programming Languages: MATLAB, Python, C

Softwares: CST Studio, ADS, Proteus, CodeVision

Microcontrollers: AVR ATxmega128A3U, Arduino

Others: Having Experience Working With NRF24L01 module

GENERAL SKILLS

Digital skills: LaTeX, Fast typing, MS Office

Soft skills: Teamwork, Presenting, Communication, and Negotiation

Languages: Turkish and Persian as Mother Tongue, English, Basics of French

TEACHING EXPERIENCE

Field & Waves Teaching Assistant

1st Sep. 2023 -present

- Supervised by: Dr.Najmeh Nozhat

Communication I Teaching Assistant

1st Sep. 2023 -present

- Supervised by: Dr.Kamran Kazemi

Mathematics of High School

10/2020 - 4/2022

- At GAJ Educational Institute -more than 150 Hours

CERTIFICATIONS

- Introduction of MATLAB programming
- Introduction of Python programming
- Phone Repairing (*Hardware*)

ENGLISH LANGUAGE PROFICIENCY

IELTS:

25 Nov. 2023

Listening: 6.5 Reading: 7 Speaking: 6 Writing: 6 Overall: 6.5

HONOR & AWARDS

- Ranked among the top 1% of university entrance exam for bachelor's degree in telecommunication
- Received full scholarship from Shiraz University of Technology (tuition waived)
- Being a member of "Brilliant Talents"
- Director and organizer of 3 courses in summer school 2021, at Shahid Taheri Research Institute (Shiraz University of Technology)
- Director and organizer of 3 courses in summer school 2022, at Shahid Taheri Research Institute (Shiraz University of Technology)