

MEHDI DARVISHI

Shiraz,Iran

☎ +98-9304454561

✉ darvishimehdi.2000@gmail.com

🌐 [Mehdi_Darvishi](#)

🌐 [Website](#)

EDUCATION

Shiraz University of Technology (SUTech)

B.Sc. of Electrical Engineering - Telecommunications - GPA 3.73/4 - 18.01/20

9/2020 – 9/2024

Shiraz, Iran

Moaref High School

Diploma in Physics & Mathematics - GPA 3.79/4 - 18.43/20

9/2016 – 7/2019

Shiraz, Iran

RESEARCH INTERESTS

- Antenna Design in Different Frequencies
- Microwave Components
- Electromagnetic Metamaterials
- 5G/6G Front-End Design
- Microwave & Ultrasound Imaging for biomedical applications
- Biomedical Engineering

SELECTED COURSES

- Microwave I (19.5/20)
- Data Transmission Systems (20/20)
- Telecommunication I (18.2/20)
- Computer Networks (20/20)
- Telecommunication Circuits (18.4)
- Electromagnetics (17.8/20)

SELECTED PROJECTS

BB directional rhombic Nanoantenna

Bachelor's Project

- **About the project:** An optimized four-nanowire rhombic nanoantenna (RNA) is designed and numerically analyzed in terms of directivity and efficiency with high gain.

UWB Antenna for Mobile Communication Applications

Freelance Project

- **About the project:** Designed a low-profile patch antenna featuring circular-shaped slots in the patch and meander line slots in the partial ground plane to enhance bandwidth, gain, and directivity.

Wearable Belt Antenna for Biomedical applications

Antenna Final Project

- **About the project:** Designed a dual-band wearable belt antenna as a low-cost and reliable solution for smart on-body applications, composed of a metal buckle and a lossy leather substrate.

Transceiver System

Data Transmission Systems Final Project

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

AM Modulation/Demodulation

Telecommunication Circuits Final Project

- **About the project:** Designed and implemented an AM modulator and demodulator project, gaining insight into circuit performance and analyzing the effect of increasing the frequency deviation on noise.

PUBLICATIONS

Multi-Band Bandpass Filter Using CRLH-TZRP

In Progress

Arash Bastani, Mehdi Darvishi, and Shahrokh Jam, SeniorMember, IEEE

TEACHING EXPERIENCE

Microwave I Teaching Assistant

Spring-2024

Field & Waves Teaching Assistant

Fall-2023 & Fall-2024

Telecommunication I Teaching Assistant

Fall-2023 & Spring-2024

Mathematics of High School

10/2020 - 4/2022

- At GAJ Educational Institute

TECHNICAL SKILLS

Programming Languages: MATLAB, Python, C

Software: CST Studio, HFSS, ADS, Proteus, CodeVision

Microcontrollers: AVR ATxmega128A3U, Arduino

Others: Having Experience Working With NRF24L01 module

GENERAL SKILLS

Digital skills: LaTeX, Fast typing, Prezi, MS Office, Photoshop

Soft skills: Teaching, Communication, Teamwork, Presenting

Languages: Turkish, Persian, English, French

CERTIFICATIONS

- Machine Learning
- Simulation in CST Studio
- 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

- Obtained the Rank 1 (one) among students in the Telecommunications Group and Rank 2 (two) among students in the field of Electrical Engineering
- Ranked among top 5% of university entrance exam for bachelor's degree
- Being a member of "Brilliant Talents Guidance Department"
- Received full scholarship from Shiraz University of Technology (tuition waived)
- Being an educational consultant for 2 years at GAJ Institute
- Director and organizer of 3 courses in summer school 2021 and 2022 at Shiraz University of Technology