



Nariman Ziaie

Electronic Engineer

ADDRESS

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LINKS

[Portfolio](#), [LinkedIn](#), [GitHub](#)

01 PROFILE

Electrical Engineering Student | IoT & Embedded Systems Developer

- Relentlessly mastering every layer of the IoT stack—from silicon to cloud.
- Developing full-stack embedded solutions and prototypes, specializing in:
 - **Embedded Systems:** ARM, AVR, ESP32/8266, FreeRTOS, peripheral drivers
 - **IoT Integration & Tools:** MQTT, HTTP, WebSocket, Node-RED, Firebase
 - **UI/UX Design:** Flutter (Device UIs), HTML/CSS/JS (Dashboards)
 - **Hardware:** Altium Designer, SMD prototyping
 - **Development Tools & Workflow:** Git/GitHub, Docker, VS Code

02 EDUCATION

2018 — 2021

Tehran

8sh Technical School

High School Diploma, Electronic

2021 — Present

Tehran

Islamic Azad University Central Tehran Branch

Bachelor's degree, Electrical and Electronics Engineering

03 EMPLOYMENT HISTORY

Jul 2023 — Sep 2023

Tehran

Hardware Developer at IoTiran

Main skills: ESP32 & ESP8266 Microcontrollers · Altium Designer

Oct 2023 — Present

Tehran

Personal Projects | Self-employed

Designed and deployed 7+ embedded systems including:

- **Dimmo:** TRIAC-based AC power controller
- **FloraLink:** Smart irrigation with adaptive algorithms
- **+5 more** (please check out my portfolio)

04 SKILLS

Electronic	● ● ● ● ●	Proteus	● ● ● ● ●
Technical skills	● ● ● ● ●	MATLAB	● ● ● ● ●
ARM Microcontrollers	● ● ● ● ●	C / C++	● ● ● ● ●
AVR Microcontrollers	● ● ● ● ●	Python	● ● ● ● ●
RTOS (FreeRTOS)	● ● ● ● ●	Flutter	● ● ● ● ●
Peripheral Drivers	● ● ● ● ●	Node-RED	● ● ● ● ●
Web Development	● ● ● ● ●	Firebase	● ● ● ● ●
SMD prototyping	● ● ● ● ●	Git / GitHub	● ● ● ● ●
Altium Designer	● ● ● ● ●	Docker	● ● ● ● ●

05 COURSES

IoT training bootcamp at IoTiran

Future Makers in Digital at Irancellacademy

Software and Hardware repair course for Android and IOS devices at ISIRAN

Software and Hardware repair course for Android and IOS devices at Iran Technical & Vocational Training Organization

Advanced Training Course on PCB Design using Altium Designer at IEEE Iran Section BZTE Student Branch

CS50x: Introduction to the Intellectual Enterprises of Computer Science and the Art of Programming at Harvard

06 INTERNSHIPS

Aug 2023 — Sep 2023
Tehran

Coaching & Mentoring at IoTiran

Associated with: IoT training bootcamp (1402)

07 HONORS & AWARDS

Top participated team (IoT bootcamp 1402)

Issued by Dr. Mohammad Gheysari · Sep 2023

08 LANGUAGES

English

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