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# Nariman Ziaie

Embedded Systems & IoT Engineer

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## ABOUT

Expert in Microcontroller programming, Hardware development, and IoT systems. Specializing in high-precision PCB Design and robust industrial firmware.

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## Work Experience

### IoT Developer | IoTiran

Education Mentor for 70 students, guiding microcontroller programming and sensor integration through hands-on projects and a comprehensive IoT curriculum.

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### Hardware Developer | Sahab

Engineered DWIN-based HMI touch screens and programmed STM32 microcontrollers for advanced fire safety systems, ensuring reliable sensor data acquisition and alarm processing. Optimized the integration between detection hardware and the user interface to facilitate seamless real-time control, directly contributing to the development of robust, high-performance industrial safety technologies.

## Educational History

### Bachelor of Electrical Engineering

B.S. in Electrical & Electronics Engineering, specializing in the integration of hardware systems and digital architecture, focused on microcontroller programming, circuit design, and developing full-stack IoT solutions for industrial applications.

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## Honors & Awards

### Tech Olympics 2025

- Finalist, IoT category.

### IoT Training Bootcamp

- Top Participating Team
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## Skills

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- C / C++ Programming
- Python Scripting
- Flutter
- Web Development
- Git / GitHub
- AVR Microcontrollers
- ARM Microcontrollers
- Altium Designer
- Proteus Simulation
- MATLAB Analysis
- ESP32 & ESP8266 Platforms
- Node-RED / n8n Automation
- SMD Assembly & Prototyping
- HMI Design (DWIN Technology)

## Portfolio

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[nariman-z.pages.dev](http://nariman-z.pages.dev)

## Contact Me

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