



Hardware Prototyping & Integration Intern

Summer 2026 · Full-time · 2 Months · On-site at QSTP

About Vora

Vora is a Qatar-built hardware + software startup that turns any existing air conditioner into an optimized, Gulf-tuned cooling system without replacing the unit. Our AI-powered device sits in the room, learns the AC's remote, and continuously manages it to reduce energy waste by ~30% while keeping comfort steady. We also detect early signs of AC issues before they turn into breakdowns and leaks. Vora is incubated by QSTP and has been recognized by Qatar's Minister of Environment and Climate Change

The Role

We're looking for a hardware prototyping and integration intern to work alongside Vora's hardware team on building and validating the core device. This is hands-on work. You'll be wiring sensors, capturing IR signals, testing Wi-Fi reliability, and building the system that becomes the product customers use. Your work will directly shape the Vora device.

What We're Looking For

- Currently pursuing (or recently completed) a degree in Electrical Engineering, Computer Engineering, Mechatronics, or a closely related field
- Located in Qatar and able to work full-time physically on-site
- Hands-on experience with microcontrollers (ESP32, Arduino, STM32, or similar). Coursework or personal projects count
- Comfortable with basic electronics: breadboarding, soldering, reading datasheets, using a multimeter
- Can write functional C/C++ code for embedded platforms
- Familiarity with serial communication protocols (I2C, SPI, UART)
- Self-directed: can take a component datasheet and a dev board and get something working without hand-holding
- Organized and well-documented
- Fluent in English (written documentation will be in English)

Bonus Points

- Prior experience with ESP32 specifically (ESP-IDF or Arduino framework)
- Exposure to IR protocols or any RF/wireless communication work
- Experience with sensor interfacing (temperature, humidity, motion, air quality)
- Familiarity with MQTT, HTTP APIs, or basic IoT cloud connectivity
- Experience with Git and version control for firmware/embedded code
- Experience with 3D printing, laser cutting, or basic enclosure prototyping



Details

- Duration: 2 months, full-time
- Dates: June 1 – July 30, 2026
- Location: On-site at our QSTP office, Qatar
- For any queries, email anas@vora.qa or mazen@vora.qa