Jamie Patel

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Education

Northeastern University, Boston, MA

Bachelor of Science in Computer Engineering

Graduation: May 2024 | GPA: 3.6/4.0

Relevant Coursework: Digital Systems, IoT, AI Hardware Design, Control Systems

Experience

IoT Intern | Analog Devices | Summer 2023

- Developed microcontroller firmware for BLE-based sensor nodes

- Optimized power consumption profiles for smart wearables

- Validated signal chain for analog sensor readouts

Lab Assistant | Embedded Systems | Jan 2023 - May 2023

- Supervised lab sessions on ARM-based design and debugging

Technical Skills

- C, Python, C++

- BLE, MQTT, RTOS

- STM32, ESP32, nRF52840

- Altium, Logic Analyzers, JTAG

Projects

Smart Irrigation Controller

- Designed soil sensor + water control system using ESP32

- Sent real-time updates to mobile app with low-latency BLE notifications

Soft Skills

- Innovation

- Independent Work

- Technical Writing

- Troubleshooting