SALMAN ALOUD

Corvallis, Oregon
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ENGINEERING SUMMARY

Electrical and Computer Engineering student at Oregon State University with hands-on experience in embedded systems, circuit design, PCB development, and hardware testing. Experienced in building, integrating, and validating electronic systems using engineering lab tools and industry software.

EDUCATION

Oregon State University **Expected Graduation: June 2027**
B.S. Electrical and Computer Engineering

TECHNICAL SKILLS

- Software: LTSpice, KiCad, Quartus, ModelSim, TinkerCad
- Hardware: FPGA (DE10-Lite), Breadboarding, Soldering
- Engineering: Circuit Analysis, Digital Logic, PCB Design

EXPERIENCE

Financial Management **Jul 2023 – Present**
Kids Hobby, Kuwait City

- Managed financial transactions and maintained organized business records
- Analyzed spending and budget trends to support operational decisions
- Improved tracking and reporting accuracy through organized documentation

PROJECTS

FPGA Digital Logic Project (ECE 271) | Spring 2025

- Designed and tested digital logic circuits using FPGA and Quartus tools
- Verified system behavior through simulation and hardware testing

Portable Temperature Sensor System (ECE 341) | Winter 2026

- Designed and built an ESP32-based temperature sensing system with LCD display
- Integrated LM75A sensor and designed stable voltage regulation
- Built and validated hardware through breadboarding and experimental testing

Custom Detection Timer Project (ECE 342) | Spring 2026

- Designed and integrated an ESP32-based ultrasonic distance detection and timer system
- Implemented object detection using HC-SR04 sensor with programmable 15.24 cm threshold
- Built and tested hardware using soldering, protoboard assembly, and voltage regulation
- Verified sensor operation and buzzer response through oscilloscope and measurement testing

ADDITIONAL INFORMATION

- Languages: Arabic (Native), English (Professional)