



FAHAD AL MAASHANI

ELECTRICAL & ELECTRONICS ENGINEERING

CONTACT

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EDUCATION

2025 - 2029

DHOFAR UNIVERSITY

- Bachelor of Electrical Engineering & Electronics Engineering
- GPA: 3.7 / 4.0

SKILLS

- Raspberry Pi tinkering for AI & drone applications.
- STM32 Microcontroller Programming.
- Arduino Programming.
- Linux Kali & Ubuntu.
- Printed Circuit Board Design Kicad.
- FPGA Prototyping.
- C/C++.
- AI software developments.
- Wireless Communication Security.
- TCP/IP.
- VHDL /Verilog Hardware Description Language.
- Formal Verification tools.

PROJECTS

Autopilot Quadcopter Drone

Bachelor Degree thesis project

Link: [Github Repo](#)

Embedded Risc v Processor

Part of embedded processor design course

Link: [Github Repo](#)

PROFILE

Aspiring Embedded Systems Engineer with a strong foundation in FPGA design, embedded Linux development, and digital system architecture. Over 1.6 years of hands-on experience developing hardware modules in VHDL and building software solutions in C++, Python, and Go. Demonstrated ability to deliver mission-critical code, work on container technologies (Docker, LXD, Snap), and integrate novel interfaces such as gesture and voice control.

WORK EXPERIENCE

Freelancing services

2024 November - Present

electronics & embedded systems engineer

- Build software solutions for the open source community.
- Report issues and threads that are bottlenecks for programmers and tinkers.
- create repositories and build a deployment, and maintain them for a health check.
- Building hardware co software design and supervising these repositories for further checks and updates.

Ericsson

2021 January - 2022 July

MS automated operation engineer

- Monitor network KPI 24/7 across the Vodafone Oman network.
- Create trouble tickets & escalate to the L2 team for resolution.
- Create KPI reports for network coverage on a daily and weekly basis.
- Supervise any field maintenance change requests, such as preventive & corrective maintenance.
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Dhofar University

2020 November - 2020 December

LabTechnician

- Monitor workshop equipment and tools for the engineering workshop.
- Supervise the database of all equipment and tools and report issues for maintenance.

BDD Formal Verification Project

Part of Formal verification course

Link: [Github Repo](#)

Face Detection and Nationality Prediction AI Model

Part of open source project for utilizing AI model implementation for predicting human face based on recognition patterns .

Link: [Github Repo](#)