

# Bassam Abdullah Farasani

## Computer Engineer

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### PROFESSIONAL EXPERIENCE

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INTERTEC SYSTEMS LLC

Riyadh, Saudi Arabia

Associate Consultant

2024 May - Now

### EDUCATION

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YANBU INDUSTRIAL COLLEGE

Yanbu, Saudi Arabia

*Bachelor of Engineering, Major in Computer Engineering;*

2018-2023

### PERSONAL PROJECTS

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#### LED MATRIX KEYCHAIN

Designed a keychain with a LED matrix which was a final project for the Tuwaiq Academy bootcamp .It utilizes an ATTiny Microcontroller that is connected to the Charlieplex LED driver and an accelerometer through I2C Protocol.

##### *Skills Acquired*

- Working with ATTiny
- Small package soldering (As small as 0402)
- EasyEDA (Schematic, Routing Layout)
- Using power saving methods (MCU sleep mode and interrupts from sensors)
- Charlieplexing

#### DRONE FLIGHT CONTROLLER BOARD

Designed a flight controller PCB board for quad and fixed winged drones that utilizes a STM32 Microcontroller that is connected to IC chips, sensors and a SD Card through SPI & I2C Protocols.

##### *Skills Acquired*

- Working with STM32 Microcontroller
- Using SPI & I2C Protocols
- KiCAD (Schematic, Routing Layout)

### PROFESSIONAL CERTIFICATES

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#### ELECTRONIC CIRCUIT DESIGN AND MANUFACTURING BOOTCAMP

*Tuwaiq Academy, Certification with 80 Hours hands-on training and a final project;*

2026

### TECHNICAL SKILLS

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- Programing (C, C++, Java)
- CAD Softwares (KiCAD, Fusion 360)
- CNC Machines (3D Printers, PNP Machines)
- LTspic

### LANGUAGES

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ENGLISH

IELTS Score: 7