Mahdi Shourabi

PERSONAL INFORMATION

- **Date of birth:** June, 1994
- **Email address:** m.shourabi12@gmail.com
- **Phone number (Whatsapp):** +989354081382
- **Current Location:** Tehran, Iran
- **Webpage:** https://mshourabi12.github.io/
- **Linkedin:** https://www.linkedin.com/in/mahdi-shourabi-78b7a0b5/

SKILLS SUMMARY

- Proficient in C
- In depth knowledge of Linux stack
- Well experienced in Yocto project
- Experienced in Python, C++
- Custom Linux CI/CD implementation using Jenkins/Yocto
- Great ability of debugging hardware/software (Proficient in GDB)
- Experienced in ARM MCUs
- Others: Git (Gitlab), Docker, Android system, Networking, Project Management (Scrum)

PROFESSIONAL EXPERIENCES

Embedded Software Developer
Sina Communication Systems (www.sinacomsys.com),
2019-Now (2 years 5 month)
Tehran, Iran

- Embedded Linux customization based on Yocto Project
  - BSP and Distro modification for PowerPC architecture processors
  - Developing recipes to build software packages
  - Implementing and managing Yocto/Jenkins build system
- Embedded Linux development
  - User space C applications
  - Device driver development (e.g. hardware interrupt)
- Python application development
  - Implementing automation framework for QC process of hardware
- DevOps infrastructure implementation (continuous integration / continuous development)
  - Jenkins build management for Yocto based Linux stack integration

Embedded Software Developer
Imen Dadeh, 2020 (Part-time, 3 months)
Tehran, Iran

- Android system modification
  - Feasibility study on IMEI modification in android system
  - Android volume manager daemon (VOLD) modification to filter unauthorized devices

Embedded Software Developer – Team leader
AHAR power station services (www.aharco.com),
2016-2019 (3 years)
Mashhad, Iran

- Bare metal software development for ARM architecture MCUs
  - Working with ADC, DAC, Serial peripherals, DMA, etc.
  - FreeRTOS
- Team leading
  - ExpressIO: A fast and highly reliable conditioner module usable for gas turbine controller system
  - Designing vibration protection system
    - Signal processing of accelerometer sensor s to obtain velocity and displacement information
    - Implemented on Cortex-M4F MCU

EDUCATION

2019 MSc in Electrical and Computer Engineering
2016 BSc in Electrical Engineering
Ferdowsi University of Mashhad, Iran

CERTIFICATES

Coursera, 2021
Introduction to TensorFlow for Artificial Intelligence, Machine Learning, and Deep Learning

- **Credential URL:** https://www.coursera.org/account/accomplishments/certificate/RV5D3C6SJ7BE

Coursera, 2020
Object-Oriented Data Structures in C++

- **Credential URL:** https://www.coursera.org/account/accomplishments/certificate/A6HSPFS4PFVU

LANGUAGE PROFICIENCY

TOEFL: Overall:107 - R:28, L:29, S:25, W:25