

AMAN KASHYAP

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[electrob](#) · [GitHub](#)

Objective:

Looking for an outstanding career at a prestigious company where we can make awesome things or maintain awesome things.

Professional Summary:

~5 years of experience in IOT / Embedded System product development / Desktop Application (GUI + Backend and integration with AI components).

Working as an IoT Engineer @Agnext, Mohali.

Technical Exposure:

Operating Systems	Host Linux : Ubuntu, Elementary OS, Debian Rarely: Win 7, 10,11
Languages	C/C++ , Python, Embedded C, Bash/Shell
IDEs	Mainly: Terminal and Vim, Sometimes (Depends on Usage): VS code, STMCube, Segger Embedded Studio
RTOS	TI-RTOS/freRTOS
Dev Boards	ARM, Arduino UNO, Raspberry Pi, Jetson Tx2/Xavier NX/Nano, Rock pi 4C, STM32 nucleo, ESPs
Version Control System	Bitbucket/Git/Perforce
Cloud services	AWS, AWS IOT Core, S3, Dynamodb, Kinesis Video Stream, Lambda
GUI	pyqt5, Qt5
Misc	Multi-Threading, CMake, System Design and Integration

Work Chronology:

1. AgNext Technologies (April 2021 - Present)
 - a. System architecture for Agri products
 - b. Implement UI and Integration
 - c. UI in both Python and C++
 - d. Finalize hardware for AI Inferencing product
 - e. Deployment and maintenance of the Hardware
 - f. Python, C++, Bash, CMake
2. Freelancer (September 2020 - March 2021)
 - a. System Architecture for US based product
 - b. Vision system for probing the open Area
 - c. Deployment scripts
 - d. Automation scripts
 - e. Hardware freezing for edge processing of camera feed
 - f. Python, Bash

3. Kooki, Bangalore (April 2016 - July 2017)
 - a. Implement JSON parser
 - b. Implement Library for GSM data fetch and push to server
 - c. Implement bootloader for OTA
 - d. TIVA series controller used in OBD Product
4. Msys Technologies, Chennai (March 2015 – March 2016)
 - a. Write test cases in C for storage file system
 - b. Understanding the Code Base

Professional Qualification:

- P.G. Diploma - Embedded Real-Time System Design, 86.3%, N.I.E.L.I.T, Calicut, Kerala.
- B.E. - Electronics and Communication Engineering, 60.1%, P.U.S.S.G.R.C. Hoshiarpur, Punjab.

Personal Information:

- **Date of Birth** : July 31, 1992
- **Marital Status** : Married
- **Gender** : Male
- **Nationality** : Indian