Company :	**Eran Innovations LLP**
Company Name :	**Eran Innovations LLP**
Nature Of Business :	
Designation :	**Intern - Camera Firmware**
Tentative Job Location :	Pune

Job Title: Intern - Camera Firmware

Core Responsibilities:

1) Develop low level device drivers for advanced image processing pipeline in embedded systems for the latest SoC blocks and chipsets.

2) Work with algorithm team to design and develop algorithms to control CMOS image sensors, ISP pipeline and machine learning pipeline.

3) Design and implement camera features in embedded systems for Apple products. You will work with other teams to define features and communication protocols and document the requirements clearly with implementation specifications.

4) Optimize image processing algorithms to enhance system performance.

5) Work on HW validation and provide firmware support to factory testing. You will also implement features to support hardware testing and diagnosis.

6) Collaborate with vendors to troubleshoot hardware issues.

Skills & Competencies:

1) A real passion for embedded software development.

2) Proficiency in C/C++

3) Ownership of system design and firmware on hardware prototypes and development platforms

4) End-to-system firmware development to include initial bring-up and driver development on bare-metal/RTOS/Linux platforms

5) Familiarity with camera pipeline and HW components

6) Experience with image pipeline in still and video cameras, streaming devices and digital still cameras

7) Exposure with FW implementation of imaging system/devices

8) Experience with various sensor and bus interfaces: MIPI, CCP2, USB, parallel, I2C, SPI and control and integration of VCM, shutter, flash, Image science and optics knowledge

9) Experience with full image ISP pipeline and CCD or CMOS image sensors

Description : (above)

Eligibilty :

Program	AE	BSBE	CE	CHE	CSE	EE	ES	ME	MSE	PHY	CHM	MTH	ECO	DES	IME	HSS
BT-BS	No	No	No	No	Yes	Yes	No	No	No	No	No	No	No	--	--	--
MT	No	No	No	No	No	No	No	No	No	--	--	--	--	--	No	--
DoubleMajor	No	No	No	No	Yes	Yes	No	No	No	No	No	No	No	--	--	--
dual	No	No	No	No	Yes	Yes	No	No	No	No	No	No	No	--	--	--
dualB	No	No	No	No	--	--	--	No	No	No	No	No	No	--	No	--
dualC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	No	--
Mdes	--	--	--	--	--	--	--	--	--	--	--	--	No	--	--	--
MBA	--	--	--	--	--	--	--	--	--	--	--	--	--	--	No	--
Phd	No	No	No	No	No	No	No	No	No	No	No	No	No	--	--	No
Msc	--	--	--	--	--	--	--	--	--	No	No	No	No	--	--	--
MSR	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Stipend per month :

Rs. 25,000/- Per Month

Other Facilities Offered :

1) Internship Completion Certificate

2) Can be absorbed as a full time employee after the end of internship based on performance

Bond :	**False**
CPI CutOff :	**0.0**
Medical Requirments :	**Pre Employment Medical Check Up**
Resume Shortlist :	**True**
Resume Shortlist Criteria:	**N/A**
Aptitude Test:	**True**
Aptitude Test Duration:	**N/A**
Group Discussion:	**False**
Technical Test:	**True**
Technical Test Duration:	**N/A**
Technical Interview:	**True**
Technical Interview Duration:	**N/A**
Number of Techincal Interview Rounds:	**0**
HR Interview:	**True**
HR Interview Duration:	**N/A**
Additional Information:	