Job Notification Form, IIT Delhi

Company Overview

Name:	Qualcomm
Website:	www.qualcomm.com
Company Type:	Core (Technical)
Description:	www.Qualcomm.com

Job Details

Designation:	Job Title :Machine Learning Systems Engineer
Type:	Information Technology
Place of Posting:	Hyderabad/ Bangalore
Job Details:	Company - Division Qualcomm Technologies, Inc. – Qualcomm CDMA Technologies (QCT) and Qualcomm Research India Job Area Engineering - Systems Location Hyderabad Educational Requirements Masters in CSE or CS (Machine Learning/AI) Ph.D. in CSE or CS (Machine Learning/AI) Overview Join a new and growing team at Qualcomm focused on advancing state-of-the-art in Machine Learning. The team uses Qualcomm chips' extensive heterogeneous computing capabilities and engineers them to allow the running of trained neural networks on device without a need for connection to the cloud. Our inference engine is designed to help developers run neural network models trained in a variety of frameworks on Snapdragon platforms. See your work directly impact billions of mobile devices around the world. Ongoing investigations in our team revolve around the below, one or few of which the candidate would be working on, apart from other upcoming areas in our field: • On-device deep learning across Mobile, IoT, Auto • Power and thermal efficient, real-time networks • AI acceleration across various hardware engines using CPU, GPU, DSP, and AIX • Model compression and quantization • Concurrent and split networks execution • Optimized networks for image/video/speech/text data Ideal candidates will check many of the boxes below. Any demonstrable work done in these areas would be a big plus: • Strong understanding of Machine Learning fundamentals • Strong understanding of compiler architecture • Strong understanding of inference engines architecture • Good understanding of computer hardware architecture • Prior experience in some of the Machine Learning areas listed under ongoing investigations • Strong development skills in C++ and Python and at least one machine learning framework like TensorFlow, Caffe, Pytorch, etc. • Strong programming and software engineering skills • Experienced in low level and system level optimization for highly concurrent, multi-threaded software • Experience working with heterogeneous or parallel computing systems and knowledge of associated languages like OpenCL, CUDA, etc is a plus • Experience in development of drivers/frameworks of multimedia systems like camera, audio, video, graphics etc is a plus • Experience working with real time/embedded systems is a plus • Strong analytical and communication skills
Joining By:	1 July 2022

Salary Details

CTC:	3,400,000 INR Per Annum
Gross:	1,600,000 INR Per Annum
CTC Breakup:	1600000 (Gross) + 75000 (Retirals - PF and Gratuity) + 160000 (Performance bonus) + 500000 (Joining bonus) + 50000 (Reallocation bonus) + 1200000 ($16000)(RSU- Restricted Stock Value Awards - vesting in 3 years)
Perks / Bonus:	Additional Benefits: Relocation Assistance, Insurance, Transportation * Performance bonus component can vary Based on individual & Organization Performance || **RSU -33% vesting every year $1=INR 75

Selection Process

Resume Shortlist:	No
Written Test:	No
Online Test:	Yes
Group Discussion:	No
Medical Test:	No
Personal Interview:	Yes
No. of Rounds:	2 rounds
No. of Offers:	5
Minimum CGPA:	7.5

Eligibility

Recruiting PHDs:	Yes
Eligible Departments:	M.Tech in Communications Engineering, M.Tech in Computer Science & Engineering, M.Tech in Computer Technology, M.Tech in Control & Automation, M.Tech in Instrument Technology, M.Tech in Integrated Electronics & Circuits, M.Tech in Optoelectronics & Optical Communication, M.Tech in Power Electronics, Electrical Machines & Drives, M.Tech in Power Systems, M.Tech in Radio Frequency Design & Technology, M.Tech in Telecommunication Technology & Management, M.Tech in VLSI Design Tools & Technology, M.S.(R) in Computer Science & Engineering, M.S.(R) in Electrical Engineering, M.S.(R) in VLSI Design Tools and Technology, M.S.(R) in Telecommunication Technology and Management, M.S.(R) in Sensors, Instrumentation and Cyber-physical System