

## PERSONAL INFORMATION

## MEHTHAB SAHEBA SHAIK

📍 212, PAARIJAT BLOCK A ,H10, 500032 HYDERABAD (India)

📞 8187087169 📞 9701084980

✉ mehthabsaheba.s@students.iiit.ac.in

## STUDIES APPLIED FOR

## Summer Research Fellowship

## WORK EXPERIENCE

10/08/2018–15/12/2018

## Teaching Assistant

Digital Systems and Microcontrollers Course

Lab TA and paper correction

## EDUCATION AND TRAINING

31/07/2016–Present

## Bachelors in Electronics and Communications Engineering

After old IITs

INTERNATIONAL INSTITUTE OF INFORMATION TECHNOLOGY, HYDERABAD (India)

## COURSE WORK -

Computer programming ,Data Structures and Algorithms,Discrete Mathematics(Mathematics 1),Linear Algebra and Group Theory(Mathematics 2),Probability and Random Processes, Statistical Methods in AI,Mobile Robotics,Topics in Applied Optimization, Digital Signal Processing,Signals and Systems,Communication Theory 1, Computer System Organisation,Digital Logic and Processors,Embedded Hardware Design,Electronic Circuits and Electrical Science

## COURSE PROJECT WORK :

Paper presentation and implementation - Nonsmooth Nonnegative Matrix Factorization(nsNMF)

Paper presentation and implementation - Hogwild!(abridged version)

Paper Presentation and implementation - ADAM

Paper presentation and Implementation - PNAS - Acoustic Echoes reveal room shape

Implementation of basic algorithms -PCA,etc,LM algorithm, trajectory planning,newton descent on manifold algorithm, data structures and graph algorithms

Implementation of program for fpga to deal with floating point arithmetic

Designed an op-amp meeting set constraints

Hardware - ambient light controlled LED, active mobile phone detector, simple audio amplifier

HONORS - CENTER FOR SECURITY ,THEORY AND ALGORITHMS RESEARCH -Under Professor Dr. Pawan Kumar on kernel methods

03/06/2014–14/05/2016

## Secondary education/Intermediate

Sri Chaitanya College, Hyderabad (India)

Secondary level mathematics ,physics and chemistry.

06/06/2009–24/03/2014

## Secondary Education

Gitanjali Senior School, Hyderabad (India)

Primary and Secondary Education level math,english,science,geography ,history,hindi and computer applications(java).

## PERSONAL SKILLS

Mother tongue(s) Urdu

Communication skills Good written communication skills due to my ICSE school education, good reporting school -to the point and composition.  
Good presentation skills gained in undergraduation covering relevant aspects.

Organisational / managerial skills Worked in many team projects in undergraduation mostly as the lead but not officially

Job-related skills Research ability - can sit through long hours going through material and pick out relevant information, passion for articles and research papers ,curious in nature, persistent.

## Digital skills

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
Independent user	Independent user	Basic user	Basic user	Basic user

Digital skills - Self-assessment grid

## Programming Skills

C/C++ - STL and OOP structure ,some meta programming experience and can use boost libraries

Python - can implement algorithms ,web2py basics are known,can use packages and libraries for ml and data handling,basic tensorflow,understand the oop structure

Matlab - .mat and .m scripting , familiar with robotics,signal processing and vision tool boxes, familiar with searching and using in-built functions as needed

Basis ROS

Basic Java- oop structure, inbuilt libraries,JS(basic)