

# Mohit Sharma

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## EDUCATION

### B.TECH IN COMPUTER SCIENCE AND ENGINEERING

Expected May 2019  
BML Munjal University  
School of Engineering and Technology  
CGPA: 8.19 / 10.0

### MOUNT ST. MARY'S SCHOOL

Grad. May 2015 | Delhi, India

## LINKS

Github:// [mohitsharma29](#)  
LinkedIn:// [mohit-jarvis-sharma](#)

## COURSEWORK

### UNDERGRADUATE

Machine Learning + Practicum  
Operations Research  
Digital Image Processing + Practicum  
Cryptography and Network Security  
Advanced Algorithms + Practicum  
Internet of Things + Practicum  
Microprocessor Design + Practicum  
Information Retrieval  
Operating Systems  
Database Systems

### ONLINE MOOCS

Machine Learning Andrew Ng  
Web Development Courses by Microsoft  
Python Programming by MITx

## SKILLS

### PROGRAMMING

Python • Numpy • Pandas • C • CSS •  
Matlab • Java • Android • PHP • MySQL

### FRAMEWORKS

Tensorflow • Keras • OpenCV • Django •  
Flask • Scikit-learn

### OTHER EXPERIENCES

Ubuntu • AWS

## EXPERIENCE

### MIDAS LAB, IIIT DELHI | RESEARCH INTERN

December 2018 – Present | Delhi, Ind

- Working on a research project involving creating a End to End ASR(Automatic Speech Recognition) system.
- Working in collaboration with Humonics Global.

### INDIAN METEOROLOGICAL DEPARTMENT | DATA ANALYSIS INTERN

June 2017 – July 2017 | Delhi, Ind

- Rudimentary Data Analysis on Tropical Cyclones using Python.

### QCFI DELHI CHAPTER | WEB DEVELOPMENT

April 2017 – June 2017

- Made a frontend website for QCFI Delhi Chapter and deployed it. Website no longer deployed.

## PROJECTS AND RESEARCH

### CORE RESEARCH PROJECT | RELATIONSHIP BETWEEN LEARNED REPRESENTATIONS AND EXPERT EXTRACTED FEATURES

July 2018 – December 2018

Guide: Dr. Sudip Sanyal

Extracted a mathematical relationship between expert extracted features from images(using HOG Filters and Gabor Wavelets) and learned representations obtained via CNN. Used a Neural network to obtain the mapping function. Also, trained a CNN to classify 64 Font Classes with a Training and Validation accuracy of 95% and 87% respectively. Using Chars74k dataset. Will publish my results.

### WEB CRAWLER | FOR INFORMATION RETRIEVAL

Made a web crawler and implemented various information retrieval utilities to analyze scraped data.

**LAB IMPLEMENTATIONS** Raw implementations of Advanced algorithms and Image processing algorithms. Can be found on my github account.

### OTHER MINI PROJECTS | CAN BE FOUND ON MY GITHUB PROFILE.

Django Code Editor, MQTT Reminder Box, Browser Command Line using Flask, Forum Android App, Web Application(only Frontend) for College's Grocery Store. Can be found on my GitHub Account.

## OTHER EXPERIENCES

### RUNNER UP IN DEBATE | TECHNOLOGY IN BUSINESS CONCLAVE, BML MUNJAL UNIVERSITY

September 2017

"Robotics And Automation will eat our jobs": Spoke against the motion and took a stand that we will have in fact more jobs

### WORKSHOPS

• Ethical Hacking Workshop at IIT Delhi • LFR Workshop by Techienest at BML Munjal University.