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# HARSHIT JINDAL

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## PROFILE

19 y.o. software developer from Chandigarh, India, extremely passionate about Artificial General Intelligence with a flair for challenging problems in any domain, currently pursuing Bachelor of Engineering focused in Information Technology from University Institute of Engineering and Technology, Panjab University, India.

## EXPERIENCE

### FACEBOOK PYTORCH SCHOLAR

Chosen by Facebook out of a total of 10,000 candidates global applicants in February 2019 to receive a full scholarship which was applied to Udacity's Deep Learning Nanodegree using PyTorch, Tensorflow and Keras, based on a image classification project and community mentorship. The global acceptance rate set by Facebook was 3%.

### MOBILE APP DEVELOPER (INTERN) – C.S. SOFT SOLUTIONS PVT. LTD.

MAY 2019 TO PRESENT

Contributing in development of native iOS Mobile App projects as part of the core team.

### DISTRIBUTED COMPUTING RESEARCHER – PANJAB UNIVERSITY

2019 TO PRESENT

Working on a way to distribute network analysis load over a computing cluster instead of a single machine to timely detect and deal with DDOS attacks over a Wide Area Network using Big Data frameworks such as Apache Hadoop and Spark, with the guidance of Prof. Krishan Kumar Saluja.

### COGNITIVE NEUROSCIENCE RESEARCHER – PANJAB UNIVERSITY

2018 TO 2019

Used an EEG device for Brain-Computer Interfacing, to map a subject's brain activity over the left frontal lobe and devised a technique of detecting and attenuating muscle artefacts generated by the body, in the supervision of Prof. Krishan Kumar Saluja.

### CORPORATE RELATIONS SPECIALIST – EDC, U.I.E.T.

AUG 2018 TO FEB 2019

Held responsibility for carrying out corporate affairs which included contacting and delegating with speakers / investors for Udyami 2019, the annual flagship event of Entrepreneurship Development Cell of Panjab University.

## SKILLS

### LANGUAGES

Python  
Swift  
C / C++  
HTML / CSS  
Javascript  
PHP

### FRAMEWORKS

MySQL / MongoDB  
Cocoa  
PyTorch / Tensorflow  
Apache Hadoop  
Django  
Matlab

### INDUSTRY KNOWLEDGE

Database Management  
iOS App Development  
Data Analysis  
Version Control  
Code Collaboration  
Research & Development

## CERTIFICATIONS

### IOS 12 & SWIFT - THE COMPLETE IOS APP DEVELOPMENT BOOTCAMP

UDEMY CREDENTIAL ID: UC-SKT15EGI

### MACHINE LEARNING A-Z™: HANDS-ON PYTHON & R IN DATA SCIENCE

UDEMY CREDENTIAL ID: UC-KNY6P9NA

### DEEP LEARNING NANODEGREE

UDACITY CREDENTIAL ID: C9HLTFDN

### DEEP LEARNING A-Z™: HANDS-ON ARTIFICIAL NEURAL NETWORKS

UDEMY CREDENTIAL ID: UC-XMRY801N

### THE COMPLETE PYTHON MASTERCLASS: LEARN PYTHON FROM SCRATCH

UDEMY CREDENTIAL ID: UC-85DCSECG

## VOLUNTEER EXPERIENCE

### SPEAKER, MENTOR – PROGRAMMING CLUB, U.I.E.T.

One of the founding members of Programming Club of U.I.E.T. where we conduct free of cost teaching sessions for various Programming Languages and Skills for anyone who wishes to attend.

### STUDENT MENTOR FOR DEEP LEARNING NANODEGREE – UDACITY

Mentored two students for the Deep Learning Nanodegree at Udacity, solving any queries they may have regarding the concepts taught and the way to proceed through the coursework.

## EVENTS / CONFERENCES

CHITKARA TECHACKS 2019  
RAJASTHAN DIGIFEST BIKANER 2018  
GOOGLE DEVELOPERS MDF 2018  
PYDATA DELHI 2018  
GOOGLE CLOUD ML MEET 2018  
CHITKARA OCTAHACKS 2018  
U.I.E.T. HACKSPRINT 2017

## PROJECTS

DDOS ATTACK DETECTION ON A DISTRIBUTED CLUSTER  
ANALYSIS OF EEG DATA USING BRAIN-COMPUTER INTERFACING  
DEEP LEARNING MODEL DEPLOYMENT USING AWS  
DOG BREED CLASSIFICATION  
FACE GENERATION USING GANS  
T.V. SCRIPT GENERATION USING LSTMS  
FLOWER SPECIES IDENTIFICATION USING CNN  
ML PREDICTIONS FOR BIKE SHARING PLATFORM  
SMART ATTENDANCE SYSTEM USING COMPUTER VISION  
IMPLEMENTATION OF SNORT IDS TO PROTECT UNIVERSITY NETWORK

## REFERENCES

PROF. KRISHAN KUMAR SALUJA  
HEAD OF DEPARTMENT - INFORMATION TECHNOLOGY (PANJAB UNIVERSITY)  
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MR. NEERAJ SHARMA  
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