

Education

MEDICAPS UNIVERSITY, RAU - B.TECH IN COMPUTER SCIENCE (A.I.).

(2016- 2020)

- » GPA : 7.14/10 ; Leadership campaigning, Innovative Events Handling, Research Assistantship.
- » Major Coursework & Research Interest : Machine Learning, Data Science, Feature Engg.
- » Awards : VoidsHacks() Hackathon (2019) Runner-Up in Fin. Tech., Campus Ambassador

TIRATHBAI KALACHAND SCHOOL, INDORE - HIGH SECONDARY

(May, 2016)

- » Result : 88% ; Mentorship Quality, Crowd Handling.
- » Major Subjects : Physics, Chemistry (Organic+Non-Org+Physical), Mathematics
- » Awards : IIT-JEE (Mains+Advanced), Pre-International Mathematics Olympiad (2015)

Scholastic Achievements & Research

- » Secured **All India Rank 56** in Pre Polytechnic Entrance Test.
- » Got selected in **National Talent Search Examination** twice in 2012 and 2014.
- » Awarded by 25000 INR scholarship by the Chief Minister of Madhya Pradesh, India.
- » Cracked one of the toughest entrance exam **IIT Joint Entrance Test 2016 (Main & Advanced)**.

Internships

IGNITUS, PITTSBURGH, USA

(May, 2019 - July 2019)

- » Position : **Data Scientist** Intern (Remotely).
- » Area of Work : Creating Modules of Python Libraries, **Data Analysis**
- » Project : "Magellan" - Explanatory Data Analysis in Python.
- » Role : Preparing **Jupyter Notebook** of each Data Science related library of Python.

O'GENIE, [MUMBAI - INDORE], INDIA

(June, 2019 - Nov 2019)

- » Position : Intern to build the 3rd party ChatBot.
- » Area of Work : Data Generation and debug of the NLP model.
- » Project : Flight Booking Assistance ChatBot to connect User and airlines in ease.
- » Role : To generate the variety of data with NER tags in English and several Indian languages.

THUNDERPOD, MUMBAI, INDIA

(April, 2019 - June, 2019)

- » Position : **Data Scientist** Intern.
- » Area of Work : Machine Learning Model building, Software Development and Testing.
- » Project : "ThunderCouch" Exercise Analyser Mobile Application.
- » Role : From Scratch model building and deployment.

CODENSCIOUS PVT LTD, INDORE, INDIA

(Jan, 2019 -March, 2019)

- » Position : **Deep Learning Engineering** Intern.
- » Area of Work: Machine Learning, Deep Learning, Neural Network and Competitive Programming
- » Project: "Student Classifier" model classifies student and non-student of school using **OpenCV**
- » Role : Configuring and labelling of data, Data pre-processing and quality management.

Projects

THUNDERCOUCH

Using various mathematical approaches, My team and I have developed a mobile app which takes real time input of human body, find pose co-ordinates, recognises the exercise and gives count and repetition in the exercise.

SCHOOL CLASSIFIER

During my first internship in the field of Machine learning, this was my project in which I used YOLO v2 Darknet model to classify the two classes :- "Student" & "Non-Student". This project has boosted me in this field.

SIZE EVALUATION USING HUMAN POSE

As a major project, I developed a system which can evaluate and measure the size of torso and waist using a frame of image of Human body. Whole project was developed using python, it's libraries, Node.Js and tensor flow.

** Github : <https://github.com/ashutoshjoshi1>. LinkedIn : <https://www.linkedin.com/in/ashutosh-joshi-1108/>

Kaggle : <https://www.kaggle.com/ashutoshj> , CodeChef : <https://www.codechef.com/users/ashutoshjoshi/>

Technical Skills

Python, NumPy, Pandas, OpenCV, OpenGL, Machine Learning, Neural Network, NLP, Statistics, Analytics and competitive programming.

Research

- » Published in Springer Conference GuCON'19 Bio-information using PoseNet Model.
[Computer Vision in Gyms and training institutes for recognition and analysis of exercises]
- » Working on Coreference resolution in Natural Language Processing using the POS tagging of Nouns and Pronouns.

Certifications

Please refer to my G-Drive link : <https://drive.google.com/open?id=101qO-L2xa60GhVXTUHyvFJV0CiV5yc>