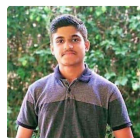


# RAJAT KALSOTRA

ML | Web Developer

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Bengaluru | Jammu



I'm a final year Computer Science engineering student. I am a goal oriented and a technology enthusiast who like to explore the latest technologies and has hands on experience in Web development, Machine Learning, Deep learning, Flutter app development.

## WORK EXPERIENCES

### Truminds Software Systems(Internship)

Jan - Feb 2020

Worked on the project of neighbourhood surveillance automation with automated detection and recognition of vehicles and the respective licence plates on their entry in the society premises. Also worked on designing OBD device simulator for testing purpose.

- Preprocessing of the images for better OCR(Optical character recognition) results.
- Automated template matching and finding closest result and its classification.
- Designed database model on MongoDB.
- Developed firebase based notification system to respective admins on vehicles entries and exits.

### Creessync Software Technologies PVT LTD(Internship)

Sep - Nov 2019

Worked as Full stack web developer.

- Designed and developed a job seeking platform.
- UI redesign and improved performance of an existing project.
- Designed a Social networking platform.
- Did web scraping using cheerio library.

## EDUCATION

### Sir M Visvesvaraya Institute of technology, Bengaluru

2017 - Present

B.E Computer Science  
Visvesvaraya Technological University, Karnataka(VTU)  
CGPA - 8.54

### Sainik School Nagrota , J&K

2010 - 2017

CBSE  
Xth CGPA - 8.8  
XIIth 85.4% (PCMB)

## PROJECTS

### Energy Efficient Smart Home Automation

Winner for Buildathon

Worked on a prototype of home and development of an app with voice support. The prototype worked either in automated state(i.e with the help of sensors) or through the app

### Realtime Face recognition

Open Source

Developed a realtime face recognition android app with flutter using MobileFaceNet model.

### Write-App

Open Source

Social media of Ideas. A responsive web app in which users can publish their wonderful ideas about change pertaining to any topic. Developed with nodejs, mongodb.

### English to Hindi Translation using Transformer

English to Hindi Machine translation using transformer with self-attention layers.

### Glug MVIT

Open Source

Developed a website for college group GNU/LINUX USERS GROUP(GLUG) for open source enthusiasts where new events can be posted and students can register on it.

## SKILLS

### Technical

C | C++  
Python  
Node.js | expressJS  
JavaScript | JQuery  
MongoDB | MySQL | Firebase  
Flutter | Dart  
Tensorflow  
OpenCV

### Technologies

IOT  
Machine Learning  
Deep Learning  
Computer Vision  
NLP

### Professional

Fast learner  
Strong problem solver  
Effective communication  
Team player  
Good time management

## ONLINE COURSES (MOOCS)

### Machine Learning(Coursera) Deep Learning Specialization(Coursera)

Neural Networks and Deep Learning  
Improving Deep Neural Networks  
Structuring Machine Learning Projects  
Convolutional Neural networks  
Sequence Models

### Programming, Data Structures and Algorithms Using Python(NPTEL)

Organised by IIT madras and NPTEL