

# RAJAT KALSOTRA

Web Developer | ML

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I'm a third year Computer Science engineering student.I like to learn about the latest technologies. Interested in Machine Learning,Deep learning, Natural language processing, web development.

## WORK EXPERIENCE

**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 premisis.Also worked on designing obdii 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 improving api performance of existing project.
- Developed RestAPI.

## EDUCATION

**Sir M Visvesvaraya Institute of technology,Bengaluru**  
B.E Computer Science  
Visvesvaraya Technological University,Karnataka(VTU) CGPA - 8.54 2017 - Present

**Sainik School Nagrota,J&K**  
CBSE  
Xth CGPA - 8.8  
XIth 85.4% (PCMB) 2010 - 2017

## 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

**Writely** 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 .

## 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

## SKILLS

**Technical**  
C | C++  
Python  
Node.js | expressJS  
JavaScript | JQuery  
MongoDB | MySQL | Firebase  
Flutter  
Tensorflow  
OpenCV  
**Technologies**  
Machine Learning  
Deep Learning  
Computer Vision  
NLP  
**Professional**  
Strong problem solver  
Effective communication  
Team player  
Good time management