RAJAT KALSOTRA

ML | Web Developer

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

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 premisis.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.

Creesync 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 protorype 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

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