

TUSHAR MITTAL



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tusharmit



techyushar

Machine Learning & Deep

Learning Engineer | Web Developer

Skills

PROGRAMMING LANGUAGES

JavaScript

Python

C/C++

Shell

TECHNOLOGIES

Scikit Learn

Numpy

Pandas

OpenCV

Tensorflow

Keras

Docker

GraphQL

jQuery

Bootstrap

Linux

Selenium

Django

Flask

Git

LANGUAGES

English

Hindi

Employment

SPDX

Google Summer of Code

Remote

Apr. 2018 to Aug. 2018

- The project was to build an online XML editor which can be used to create and edit the SPDX Licenses.
- It also included features such as making a pull request on GitHub, beautifying XML code, generating diff and validating it against the XML schema.
- Technologies Used: Django, SQL, JQuery, JavaScript, CSS, HTML

CloudCV

Google Code-In Mentor

Remote

Oct. 2018 to Dec. 2018

- Finding bugs and enhancements in the Origami (AI as a service) project and creating tasks for the students to complete.
- Helping the school students to contribute to the project and reviewing their work.

Projects

Hand Gesture Digit Recognizer

- Trained a Convolutional Neural Network to recognize digits from the hand gestures.
- Learnt many things such as Transfer Learning, handle overfitting, train models on cloud and data processing.
- Technologies used: Keras, TensorFlow, OpenCV, Numpy

Would you have survived?

- A web application to predict whether a person would have survived on the Titanic Ship.
- The model is trained on the Kaggle Titanic Dataset which received an accuracy of 88%.
- Technologies used: Scikit Learn, Pandas, Matplotlib

Facebook Archive

- A CLI tool which generates graphs and plots from your facebook data so you can get interesting insights about your social media activity.
- Technologies used: Python, Pandas, Numpy, Matplotlib

OpenCV Snake Game

- Computer Vision snake game which is played using a red color object.
- It uses color detection to mark the movement of snake and algos to implement features such as snake hitting itself and increasing snake length with time.
- Technologies used: OpenCV, Python, Numpy

E-Commerce Scraper

- A CLI tool to fetch the prices and other details of a product from e-commerce websites like Amazon and Flipkart
- Technologies used: BeautifulSoup, Selenium WebDriver, Python

Education

Kanpur Institute Of Technology

Bachelor of Technology (B.Tech) Computer Science 2020

Aug. 2016 to Present

CGPA: 8.1/10.0

Coursera

Machine Learning

Deep Learning Specialization

June 2018 to Feb. 2019

Extra-Curricular Activities

Microsoft Student Partner

Microsoft Student Partners (MSPs) are student technology leaders, empowered to build Microsoft communities on their campus and share their deep knowledge and passion for technology with their fellow students. Attended the MSP Summit. Organized workshops and hackathons related to Microsoft's technologies.

GitHub Campus Expert

GitHub Campus Experts is a community of students aimed at building technical community at their campus. Completed training modules provided by GitHub. Organized event, workshops and meetups at various colleges.

Volunteering

GirlScript Summer Of Code · Mentor

Present

Remote

GSSoC is an annual programming competition aimed at helping students to get started with open-source contribution. Guided students to get started with open source. Review their work and provide feedback. Help students with their doubts.

Kanpur Python Meetup · Organizer

Present

Kanpur

Giving talks on topics related to Python, helping people with their doubts and bugs, and building a community of people who love to code and are eager to learn.

PyData Kanpur · Co-Organizer

Present

Kanpur

Organising workshops and meetups on topics related to Data Science, Machine Learning and various frameworks in Python.