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Machine Learning & Deep Learning Engineer

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

Solar and Wind Energy Generation Prediction
- A mobile app to predict the amount of solar and wind energy that can be generated on a particular day.
- This will help minimize the energy generation from the non-renewable resources.
- Technologies used: Pandas, Numpy, Bokeh, Scikit Learn

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

Sentiment Analyser
- Trained a RNN on the twitter dataset to predict the sentiments from a given sentence.
- Technologies used: Pandas, NLTK, Keras, Tensorflow

Education

Kanpur Institute Of Technology   Aug. 2016 to Present
Bachelor of Technology (B.Tech) Computer Science 2020
CGPA: 8.1/10.0

Coursera   June 2018 to Feb. 2019
Machine Learning
Deep Learning Specialization

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.