Charchit Dhawan

charchitdhawan@gmail.com · (+91) 7905313632; · github · LinkedIn

Career Objective

To pursue a challenging career and be a part of progressive organization that gives a scope to enhance my knowledge and utilizing my skills towards the growth of the organization, and enthusiast the opportunity to do better.

Education

2017-2021 B.Tech, **Dr.SPM International Institute of Information Technology(IIIT)-Naya Raipur**
Major: **Computer Science and Engineering**

Work Experience

July 2021 [Present] | **Software Engineer** at
NeoSOFT Technologies, Mumbai

JUNE-AUG 2020 | **Freelance NLP Developer** at
Singapore University of Technology and Design [SUTD], Singapore.
Experimenting by building NLP and deep learning models for text Analysis and classification for the unsupervised text data and automate the document to produce labelled and tabulated data and Visualize the words network.| **Tech stack**: NLTK, Python3, word2vec, LDA-Topic Modeling, NER-standford

Internship Experiences

JAN-JUN 2021 | **Data Science Research Intern** at
Lancaster University, United Kingdom
Topic: Synthetic Data Generation using Unity3D and Deep Learning Techniques

May- July 2020 | **Summer AI Research Intern(Work From Home)** at
University of Malaya, Malaysia.
Topic: COVID-19 Research and Deep Learning Simulation.

JAN-JUN 2017 | **Web-Developer and Coordinator** at
RoboticsTrade Pvt ltd.
At this post i designed a whole e-commercial website for a new startup **Roboticstrade.com** by which it helps them to save Money in thousands and being a coordinator I manage the website,its update and its transactions. [GitHub]

Technical Skills

Languages/frameworks: Python, R, C++, SQL, Django-Dev, Latex, MATLAB, Tableau(beginner).
Working Fields: NLP, Machine Learning, Deep Learning, Data Science, Data Analytics.

Publications

- Conference paper-VTC2020-Spring Conference in Antwerp, Belgium. [Status-Published]
  Title: Path Loss Prediction in Smart Campus Environment: ML-based Approaches.

Projects Experience

JULY 2018 | **Patient-Fall detection system using Rpi-3**
An IoT based system by which patient fall can be detected and send the notification to their caretaker or representatives, that improve the medical facilities more efficiently. **Tech stack:** Python script, SMTP-Server, RPI-3 - [GitHub]

JAN-APR 2019 | **Research based Image Scene-Graph generation using Ontology**
Generated image scene graph using TensorFlow and Faster-RCNN and created our own data set for detecting suspicious activity in a parking lot. | **Tech stack:** Tensorflow, RNN, H5py, Matplotlib, Shell, Python, CUDA.- [GitHub]

JAN-JUN 2020 | **Multi-Agent Deep Reinforcement Learning for Liquidation Strategy Analysis**
Modeling an auction as a multi-layer neural network and framing optimal auction design as a constrained learning problem.The main challenge in optimizing liquidation is to find an appropriate modeling system that can incorporate the complexities of the stock market and generate practical trading strategies. | **Tech stack:** Tensorflow, Keras, DeepQ, Pandas.- [GitHub]

FEB-APRIL 2020 | **Covid-19 Predictive-Analysis and Live Tracker**
World wide analysis and India's Predictive- Analysis and Tracker, which track the live confirmed cases , active and deaths and give the graphical representation of the Corona Virus scenario over the period. | **Tech stack:** Data Analytics, Open source API, Pandas, Matplotlib.- [GitHub]

SEPT-DEC 2020 | **Intra-Day Trading with Computer Vision**
Day traders perceive the patterns in the live stock charts (candlestick diagrams) to take decision of selling/buying/holding stocks. | **Tech stack:** Tensorflow, OpenCV, CNN, Python3.

Positions of Responsibility

- Student Coordinator of Training and Placement cell at IIIT-NR
- Senior Coordinator At The Society of Coders(TSoC), IIIT Naya Raipur.
- Team-Leader @ ML-AI Winter-2018 and managed to win competition with team of 11.

Accomplishment

- Certificate of Excellency: Best Team award ML-AI Winter, Pune-2018
- Secured 3rd position in Hultz-Prize 2017 at IIIT Naya Raipur

References

Dr. Srinivas Naik N
Assistant Professor, CSE, IIIT Naya Raipur.
Research Field: Big Data, Machine Learning.

Dr. Muneendra Ojha
Assistance Professor, CSE, IIIT Naya Raipur.
Research Field: ML, AI, Multi-Agent System.