Charchit Dhawan

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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(Currently in VII-SEM)**

WORK EXPERIENCE

JUNE-AUG 2020
Freelance NLP Developer at
 Singapore University of Technology and Design [SUTD], Singapore.
Developing NLP and deep learning models for text Analysis and classification project. (Publishing work)

MAY- JULY 2020
Summer AI Research Intern(Work From Home) at
University of Malaya, Malaysia.
Topic: COVID-19 Research and analysis.

DEC 2018
Machine Learning Intern at
ExpertsHub pvt ltd.
Work on real-time problems as a project under the guidance of experience ML/AI developers and entrepreneurs, manage the team of 11 with inspiring and motivate the confidence to develop the project into a product to innovate business ideas and explore in terms of industry ready personality. [GitHub]

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, ML, DEEP LEARNING, Data Science, REINFORCEMENT LEARNING.

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, RPI-3 - [GitHub]
Nov 2018	**Video Surveillance using Motion Detection on MATLAB**
	Security based project in which camera detect the motion in the dark-room where lights are low such as control rooms and restricted to enter, this system captures the motion and refine the image in the dark and help us to see the image more clear to find the person who entered. **Tech stack:** MATLAB, OpenCV, Matplotlib, filter-tools.- [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, Keras, H5py, Matplotlib, Shell, Python, CUDA.- [GitHub]
JAN-APR 2019	**Fake-News Classification using LIAR-Dataset**
	Perform Binary classification and Six-way classifications to predict the news headlines whether it is fake or not, Random Forest and LSTM are used for binary classification with highest accuracy and Random Forest for six-way classification which have been proven flexible for model for getting efficient results. **Tech stack:** Tensorflow, Keras, NLP, Python3, Matplotlib.- [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, Numpy, Pandas.- [GitHub]
JAN-JUN 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, Numpy, Pandas, Matplotlib.- [GitHub]

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.