Himanshu Dutta

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EDUCATION

KIIT UNIVERSITY
BTech in Computer Science & System
Jun 2018 - Present(Expected 2022) |
Bhubaneshwar, India
Cum. GPA(3rd Semester): 9.67 / 10.0

SKILLS

TECHNICAL
Proficient with:
Python • Tensorflow • C/C++ • Machine Learning
Javascript • HTML • CSS
Neural Networks • Data Science • NLP
Familiar:
Django • MySQL
Java • Reinforcement Learning

SOFT SKILLS
Leadership • Teamwork
Bilingual(English, Hindi)
Problem-Solving • Communication

EXPERIENCE

IIT KANPUR | Machine Learning and IoT Internship
May - July 2019 | Bhubaneshwar, India
- Underwent 30 days training on Machine Learning and IoT.
- Learned to integrate different ML models with various IoT devices.
- Worked on a capstone project based on Natural Language Processing and Timeseries forecasting.

CERTIFICATION

- Neural Networks and Deep Learning

- Introduction to TensorFlow for Artificial Intelligence, Machine Learning, and Deep Learning

- Java Programming

- Programming Foundation with JavaScript, HTML and CSS

TECHNICAL PROJECTS

STOCK BASED SCRIPTS | GitHub
May 2020
- Wrote various scripts in Python to analyze stock data to base investment decisions on.
- Created methods to scrap and collect stock data for most of the available stock symbols.
- Made filters and ranker to assess the quality of stock.

COVID-19 EDA | GitHub
April 2020
- Performed exploratory analysis on COVID-19 data made available by Johns Hopkins University.
- Wrote a notebook to explain SIR model and modelled the pandemic on the same.
- Employed mathematical models to compare situation in China and India as per their data.

AI DEABTE MASTER | GitHub
April 2020
- Created and deployed a bot made to debate with a human on any given topic.
- Employed a Doc2Vec model using Gensim library in Python.
- Used Google CSE and wrote various web-scrapping methods for collection of data.

Q LEARNING ON CUSTOM CHROME T-REX ENVIRONMENT | GitHub
Oct 2019
- Created a replica of Google Chrome's T-Rex game, ready to be trained using OpenAI's Gym library.
- Wrote a Q-Learning based script, to train the agent to achieve set goal.
- For extensive use and learning purpose, the environment is put in an open repository, so as to be used by others to train their agents on it.

EFFECT OF NEWS SENTIMENTS ON STOCK PREDICTION | GitHub
June 2019
- NLP and Time-Series forecasting based project.
- Performed Sentiment Analysis on News related to Stock Market.
- Compared the forecasting made using LSTM model with and without result of the analysis.

RESEARCH

GENETIC ALGORITHM BASED CLOUD SCHEDULING | GitHub
Dec 2019
- Employed Genetic Algorithm to schedule tasks on cloud and benchmarked results on HCSP Data .