Shreyas Prakash Bhat

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EDUCATION

NJIT
MS in Computer Science
Dec 2020 | Newark, NJ
GPA: 3.7 / 4.0

JIT
BE in Computer Science
May 2019 | Bangalore, India
GPA: 3.25 / 4.0

LINKS

Github:// **shreyasarthur**
LinkedIn:// **shreyas-prakash-bhat**

COURSEWORK

GRADUATE
Data Structures and Algorithms
Machine Learning
Deep Learning
Java
Database Management Systems
Data Mining
Big Data
Operating Systems
Software Design and Production
News Consumption: Individual Study

SKILLS

Experience in Product Development, Data Science/ Analytics and Software Engineering:

Data Science:
• Python • Numpy • Pandas • Matplotlib
• Scikit-learn • Tensorflow • Pytorch
• Keras • NLTK • CUDA • Stanford NER

Programming Technologies:
• Java • MySQL • HTML5/CSS
• JavaScript

Tools:
• Tableau • Git • AWS • RapidMiner
• Jupyter Notebook

EXPERIENCE

NJIT | Data Scientist | Research Assistant
May 2020 – Present | Newark, NJ

- Developed models using Generative adversarial networks algorithm (GAN) to create colorful urban plans from 10,000+ black and white sketches using GPU.
- Developed a model using Python, Tensor-flow, Stanford (NER) for extracting locations from 50,000+ twitter tweets which has linguistic irregularities using General Bidirectional Recurrent Neural Network algorithm model.
- Used Python to extract location from tweets to locate the individuals during natural disasters.
- Constructed queries that adhere to Twitter's search API format and use Twitter API to collect data around disaster events.
- Collected data queries can be submitted via a JSON-based RESTful API, and "rehydrated" publicly available COVID-19 social media data sets.
- Applied and extended burst-detection techniques to incorporate geolocated and COVID-related topic streams.
- Used beautiful soup and Guardian API to collect news around Covid-19

JI TECHNOLOGY | Web Developer Intern
Jan 2018 – June 2018 | Bangalore, India

- Led the team in Developing the front end for the system using HTML/CSS, Java, Javascript and built the system with MySQL as backend enabling the customer to search for airline companies, flights based on the details such as flight no, name, price and duration of journey, reservation and cancellation.

RESEARCH PROJECT

ABNORMAL EVENTS DETECTION IN SURVEILLANCE SYSTEMS
Mar 2018 – Jun 2019

- Developed a Convolutional neural network (CNN) model using Python that allows monitoring of abnormal events in 1000+ of video footage and notifies the security team if such events are detected. Used the UCF dataset.
- Trained the neural network using Tensorflow, Keras and Theanos through abnormal, anomalous and normal videos and with clipping them as video segments and extracting the features.
- The Developed models create outputs which selects the frames of abnormal events in the video footage and creates a GIF file.

AWARDS

2019 Best Innovative Project Award by CIIRC India
2019 $2000 Scholarship Award for Good GPA

PUBLICATIONS

[1] ShreyasBhat, VarunaS, KiranTS, and SumanaC. Detection of abnormal events. *IJIET*, 2018.

[2] ShreyasBhat, VarunaS, KiranTS, and SumanaC. Abnormal events detection in surveillance systems. *IJSRED*, 2019.