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MOHAMMAD HASNAIN RAJAN

PUBLICATIONS:

Smart Home Automation Using Computer Vision And Segmented Image Processing
2019 IEEE International Conference on Communication and Signal Processing (ICCSP).
https://doi.org/10.1109/ICCSP.2019.8697997.

WORK EXPERIENCE:

Intern – InR At NII Consulting Python/Django **Dec 2019–Jan 2019**

- Programmed in python to generate Ad-hoc and periodic reports and deliver them via Email.
- Generate graphs relationships from logs collected by loggers in various systems.
- Also wrote python code that processes data generated by various networking tools such as Nessus and store them in Elasticsearch in a standard format

Consultant – Data Science at Ugam Solutions for the project Meaningful Insights **Jun 2018–July 2018**

- Gather data from CRM and analyze it to find trends and provide insights
- Use the available data to create machine learning models for sales prediction
- Documentation and Flask API for easy access

PROJECTS:

Chart Analytics **June 2019–Now**

- Trained a custom CNN for classification of the charts
- Extracted Charts such as Bar Chart with their labels from FigureQa Dataset
- Using Image Processing techniques to extract numerical information from the charts

Cyberbot **Aug 2019–Oct 2019**

- A bot that answers Natural Language queries for a specific vulnerability given by user
- Wrote code that does transfer learning on Bert for the Question Answering
- Coded a finite state machine in python to manage states

EDUCATION:

Bachelor of Engineering in Information Technology **Jun 2016–Apr 2020**

- MCT Rajiv Gandhi Institute of Technology, Mumbai, India
- CGPA: 9.2 (Aggregate), 9.6(Major)
- Member, ABIT and Technical Head RES, RGIT

Udacity Computer Vision Nanodegree **Nov 2019–Dec 2019**

- Image Processing, CNN, NLP, Object Tracking and Localization

COURSES AND CERTIFICATIONS:

- Algorithmic Toolbox by UC San Diego from Coursera.
- Image Processing by Duke University from Coursera.
- Deep Learning Specialization by Deeplearning.ai from Coursera.
- Programming, Data Structures and Algorithms using Python by NPTEL
- Machine Learning by Andrew Ng, Stanford online from Coursera.

ACHIEVEMENTS:

- Ranked 1st in my 2nd and 3rd year of Engineering
- Winner at Unscript 19 Hackathon. Role: Leader Of the team. Designed the system and worked on creating the Models for detection of Fake news and Question answering bot
- Smart India Hackathon 2019 Finalist. Role: Leader Of the team. Designed the system, set up Elastic stack for automatic log collection and storage and trained models for flagging types of errors generated by servers

SKILLS:

- Programming Languages: Python, SQL, JS (basic), C/C++ (basic), Java (basic)
- Platform: Linux, Windows, AWS (basic)
- Frameworks: TensorFlow, Keras, Pytorch (basic), Django, Flask
- Soft Skills: Leadership, Orator, Teamwork, Adaptability
- Languages: English, Hindi.