Jishnu Sri Ojaswy Akella

Male, 19 YRS

ACADEMIC QUALIFICATIONS

Integrated MTech. (Computer Science)	2017-Present	University of Hyderabad, Hyderabad	-
Class XII (BIETS)	2017	Gyanavapi Junior College, Hyderabad	92.5%; A GRADE
Class X (ICSE)	2015	Johnson Grammar School (ICSE), Hyderabad	91.5%

OTHER ACADEMIC QUALIFICATIONS

- Completed 'Machine Learning Online Course' from Stanford University through Coursera with a 98.8% grade
- Completed 'From Big Bang to Dark Energy' from University of Tokyo through Coursera with 89.8% grade
- Currently pursuing 'Data Science' from Harvard University through EdX
- Currently pursuing 'Specialization in Deep Learning and Neural Networks' by deeplearning.ai through Coursera
- Currently pursuing 'Computational Thinking for Modelling and Simulation' through MITx

PROJECTS

- Currently working on 'Affordable Dust Sensors and Beta Attenuation Monitor' as a part of comparative research study under the guidance of Dr. S. M. Ahmed, Principal Scientific Officer, Central Instruments Laboratory, at University of Hyderabad.
- Currently working on 'Lossless Image Compression' using Signal Processing
- Analysis:
    1. Sentiment Analysis of Twitter
    2. Data Analysis of Brest-Cancer, Iris and CERN-LHC datasets using R and Python
- Machine Learning:
    1. Created a fully functionable Virtual Assistant/ Chatbot
    2. Using Neural Networks to recognize hand-written digits
    3. Real Time Object Detection of Vehicles
    4. Face Recognition using Opencv
    5. Comparative study of Random Forest, Adaboost and ID3 in Java
    6. Reinforcement Learning Implementation
- Android Development:
    1. Developed an Alarm Clock Application using Android Studio
    2. Developed a Calculator Application using Android Studio
- Cosmology:
    1. Machine Learning Algorithms for Galactic Plane Surveys
    2. Analysis of GW170817 from the data provided by LIGO-GWOSC
    3. Gravitational Wave detection and parameter estimation using Deep-Learning Algorithms
- Arduino/Raspberry Pi:
    1. Dust Sensors and collecting data
    2. Line Follower Robot
    3. Object Detection Robot
- Other Projects:
    1. Document Scanner using Python
    2. Maze Generator using various algorithms

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3. Numerical Analysis

- HTML Supported Games:
  1. Lights Out: https://ojaswy.github.io/Lights-Out/
  2. BLASTAR (Designed by Elon Musk in 1984): https://ojaswy.github.io/Blastar/

POSITIONS OF RESPONSIBILITY

- Class Representative (CR) for the Integrated MTech batch 2017 during the first two semesters.
- Core Committee Member at Shape Your Thought Club, University of Hyderabad.
- Core Committee Member at Junior Science Club, University of Hyderabad.

COMPUTER SKILLS

- Programming Languages: C, C++, Java, Python, R, Go, Octave, MATLAB, JavaScript, HTML, CSS, and Shell Scripting.
- Platform: Linux, Windows, Parrot
- Software: Android Studio, Photoshop, SPSS.

CONFERENCES AND PUBLICATIONS

- Published a paper at the second IEEE International Conference on Inventive Systems and Control (ICISC 2018) on Sentiment Analysis using Naïve Bayes Algorithm with Case Study.
- Presented a paper at COHERENCE 2018, an annual research symposium held at University of Hyderabad on the functioning of Advanced Driver Assistance Systems and Object Detection.

COMMUNITY SERVICE

- Volunteer at Sri Satya Sai Seva Organisation in conducting Free Medical Camps for the needy.

INTERESTS

- Writing Stories and Poems, Playing Football, Swimming, Playing Piano, Guitar, Creating Electronic Music.