Jishnu Sri Ojaswy Akella

Male, 20 YRS

Email - ojaswyajs@ieee.org

Portfolio - https://ojaswy.github.io/

Last Updated – 12/19

ACADEMIC QUALIFICATIONS

Integrated MTech. - CS (5 years course)	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%

INTERNSHIP EXPERIENCE

- **INDIAN SCHOOL OF BUSINESS** *[1st July – 31st August, 2019]*
  Worked as a **Software Developer** on the project 'Financial Portfolio Development' under the supervision of Prof. Deepa and Prof. Shashwat

- **KHARAGPUR WINTER OF CODE** *[7th December - 5th January, 2020]*
  Was part of the team working to fix few of the issues of the EinsteinPy core package

CONFERENCES AND PUBLICATIONS

- Presented a Poster on the topic 'Software to Alert Distracted Drivers' at PYCON India, 2019.
- 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

OTHER ACADEMIC ACHIEVEMENTS

- Participated in the IEEE Xtreme 13.0 [A 24-hour Hackathon] and secured the rank of 29 in India (Top 3%) and 295 (Top 10%) across the Globe

SKILLS

- Programming Languages – Python, Scala, Golang, C, C++, Java, R, MatLab, JavaScript
- Tools and Systems – TensorFlow/Pytorch, Open-GL/MP/CV, MPI, Linux, Git
- Software – Photoshop, FL Studio

PROJECTS

- Worked 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.
- '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
    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

- Member of a team in Organizing Vigyanotsav, an Annual Science fest where children from local schools come over to experience the on going Research. We showcase them our labs and make them participate in Hands On activities. This activity aims to spark an interest of Research in them.

- 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

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 'Specialization in Deep Learning and Neural Networks' by deeplearning.ai through Coursera
- Currently pursuing 'Computational Thinking for Modelling and Simulation' through MITx

COMMUNITY SERVICE

- Volunteer at Sri Satya Sai Seva Organization in conducting Free Medical Camps for the needy
- Was part of an Open-Air Music Concert to raise Awareness about Drugs

EXTRA CURRICULAR ACTIVITIES

- Captained the Football (Soccer) Team during my High School [2015]
- Winner of the Under-18 Chess Competition at District Level at the age of 13
- Member of the School Quiz Team – Winner of the Borunvita Quiz at State Level
- Member of the School Swim Team
- Member of the School Rock Band

PHONE: +91 86399 58261; E-MAIL: ojaswyajs@gmail.com, MH-L, Room 48d, University of Hyderabad, 500046.