

Jishnu Sri Ojaswy Akella

Male, 20 YRS

Email - ojaswyajs@ieee.org

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

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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

- **[Ongoing] [Part-time]** Developing a Mobile Application along with THE FEDERATION OF OBSTETRIC & GYNECOLOGICAL SOCIETIES OF INDIA which aims to provide a better healthcare system to Maternity Patients in India
- **INDIAN SCHOOL OF BUSINESS** [*1st July – 2nd September, 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 a 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/CV, MPI, Linux, Git, Commcare,
- Software – Photoshop, FL Studio

PROJECTS

- '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
- 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
- Android Development:
 1. Developed an Alarm Clock Application using Android Studio
 2. Developed a Calculator Application using Android Studio
- Arduino/Raspberry Pi:
 1. Dust Sensors and collecting data
 2. Line Follower Robot
 3. Object Detection Robot
- Miscellaneous Projects:
 1. Document Scanner using Python
 2. Maze Generator using various algorithms
 3. Financial Analysis of a Stock Ticker
- 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

- IEEE Student Coordinator
- Team Leader at various coding competitions (Smart India Hackathon, IEEE Xtreme etc)
- Lead a team of more than 20 volunteers in organising various events across the year
- Committee Member at Shape Your Thought Club, University of Hyderabad
- 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 a grade of 89.8%
- Completed 'Specialization in Deep Learning and Neural Networks' by deeplearning.ai through Coursera
- Completed '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 Bournvita Quiz at State Level
- Member of the School Swim Team
- Member of the School Rock Band