

# Jishnu Sri Ojaswy Akella

Male, 20 YRS

Email - [ojaswyajs@ieee.org](mailto: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

- **Indian Institute of Management, Ahmedabad** [May - July 2020]  
Research Intern
- **[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
- **Kharagpur Winter Of Code** [7<sup>th</sup> December - 5<sup>th</sup> January, 2020]  
Was part of the team working to fix a few of the issues of the [EinsteinPy](#) core package
- **Indian School Of Business, Hyderabad** [1<sup>st</sup> July – 31<sup>st</sup> August, 2019]  
Worked as a **Software Developer** on the project 'Financial Portfolio Development' under the supervision of [Prof. Deepa](#) and [Prof. Shashwat](#)

## CONFERENCES AND PUBLICATIONS

- [Under Review] Developing a Link Prediction based Model to achieve Classification
- 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
- Secured a rank in the Top 0.5% of JEE Mains and Top 5% in JEE Advanced

Phone: +91 8639958261; E-MAIL: [ojaswyajs@gmail.com](mailto:ojaswyajs@gmail.com), MH-L, Room 48d, University of Hyderabad, 500046.

## 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
- Cosmology and High Energy Physics:
  1. Deploying an ML based library
  2. Simulating Schrodinger’s Equation and Transverse Icing Model
  3. Machine Learning Algorithms for Galactic Plane Surveys
  4. Analysis of GW170817 from the data provided by LIGO-GWOSC
  5. Gravitational Wave detection and parameter estimation using Deep-Learning Algorithms
- Analysis:
  1. Sentiment Analysis of Twitter
  2. Data Analysis of Breast-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
- 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/>
- Miscellaneous Projects:
  1. Document Scanner using Python
  2. Maze Generator using various algorithms
  3. Financial Analysis of a Stock Ticker

## **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 89.8% grade
- Completed 'Specialization in Deep Learning and Neural Networks' by deeplearning.ai through Coursera
- Completed 'Computational Thinking for Modelling and Simulation' through MITx
- Currently pursuing a course on Quantum Computing through EdX

## **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 Mental Health

## **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