JISHNU SRI OJASWY AKELLA, 21 yrs

CONTACT INFORMATION	AI Lab, SCIS, University of Hyderabad, Hyderabad	*Email:* ojaswyajs@gmail.com *Links:* Github, LinkedIn, Webpage

EDUCATION

University of Hyderabad; Hyderabad, India   2017-Present
Integrated M.Tech. Computer Science

RESEARCH EXPERIENCE

Indian Institute of Management Ahmedabad, AMD, India   10/20 - Present
Research Assistant, Advisor: Prof. Anuj Kapoor
Project: Working with a startup which has over 5 Million active users to understand user behaviour and help them in increasing engagement by conducting field experiments and analysing the outcomes.

WORK EXPERIENCE

ARTIST and FOGSI, India   02/20 - 10/20
Andorid App Developer and Maintainer
Project: Worked with PatientRules, a Tuck School of Business Incubator startup, ARTIST, a Bengaluru based startup and FOGSI (Federation of Obstetric and Gynaecological Societies of India) to develop an Android App which analyses maternal patients data, being collected in real time and analyses them to help reduce infant mortality. In the first run, the app was being used in over 15 hospitals in three states to track over 200 maternity patients.

LinkedIn Post about this Project

INTERNSHIPS

Indian Institute of Management Ahmedabad, AMD, India   06/20 - 08/20
Research Intern, Advisor: Prof. Anuj Kapoor
Project: Collected, Cleaned and Analysed granular data from people's mobile devices in the United States to assess whether crowdedness can serve as a signal that enhances consumers' evaluations of a retail store.

More details and results can be found here: The Value of 'Crowdedness' as In-store Promotion

Kharagpur Winter of Code, India   12/19 - 1/20
EinsteinPy Team
Part of the team working to fix a few of the issues of the EinsteinPy core package.

Indian School of Business, Hyderabad, India   06/19 - 08/19
SDE Intern
Project: 'Financial Portfolio Development' where we built AI-based software from scratch, tailored to meet the client's requirements.

CONFERENCE PUBLICATIONS

- Presented a Poster on the topic "Software to Alert Distracted Drivers" at PY-CON India, 2019.

- J. O. Akella, L. N. Y. Akella. **"Sentiment Analysis Using Naive Bayes Algorithm"**, IEEE Conference on Inventive Computation Technologies (ICICT), 2018. [Citations: 2]

- Presented a paper at COHERENCE 2018, an annual research symposium held at University of Hyderabad on the functioning of Autonomous Driving Systems and Advanced Driver Assistance Systems with Object Detection.

OTHER NOTABLE
PROJECTS

1. Conducted a research study on Air Quality to test the accuracy of self-made affordable dust sensors with a Beta Attenuation Monitor under the guidance of Dr. S. M. Ahmed, Principal Scientific Officer, Central Instruments Laboratory, University of Hyderabad.
2. "Automated land use classification using AI/ML": An ISRO (Indian Space Research Organisation) project, which I was selected to work on as part of a Pan India Hackathon. I led a team of 6 and successfully completed this project.
3. Achieving "Lossless Image Compression" using Signal Processing
4. Implemented an algorithm to solve a Rubik's Cube which takes in the images of the 6 sides, understands them with OpenCV and prints a step by step output to solve it
5. Designed a Neural Network to colorize grayscale images
6. Simulating Schrodingerâs Equation and Transverse Ising Model and implementing Quantum Machine Learning Algorithms
7. Exploratory analysis of GW170817 from the data provided by LIGO-GWOSC
8. Gravitational Wave detection and parameter estimation using Deep-Learning Algorithms
9. Comparative study of Random Forest, Adaboost and ID3 in Java
10. Financial Analysis of a Stock Ticker

SKILLS

- **Programming Languages:** Python, Scala, Golang, C, C++, Java, R, MatLab

- **Tools and Systems:** TensorFlow/Pytorch, Open-GL/CV, MPI, Linux, Git

- **Software:** Stata, SPSS, Photoshop, FL Studio

POSITION 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 cultural events across the year
- Core Member at Shape Your Thought Club, University of Hyderabad
- Core Member at Junior Science Club, University of Hyderabad

EXTRA CURRICULAR
ACTIVITIES

- Volunteer at Sri Sathya Sai Seva Organization
- Football Player (Represented our University at various competitions)
- Part of the Quiz Club
- Part of the Music Club