

Kuriseti Ravi Sri Teja

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Github

LinkedIn

ACADEMIC DETAILS

Year	Degree	Institute	CGPA/Percentage
2019-2023	B.Tech. in Computer Science with Specialization in AI	Indian Institute of Technology Delhi	8.64
2019	Class XII, AP State Board	Sri Chaitanya Junior College,Vijayawada	97.9%
2017	Class X, AP State Board	Sri Chaitanya School,Vijayawada	9.8

SCHOLASTIC ACHIEVEMENTS

- Secured **All India Rank 65** in Joint Entrance Exam Advanced - 2019 among 161,000 candidates
- Secured **All India Rank 136** in Joint Entrance Exam Mains - 2019 among 1.15 million candidates
- Among the **Top 46** students in India to qualify for **Physics OCSC** for 50th IPhO, Israel
- Among the **Top 36** students in India to qualify for **Junior Science OCSC** for 14th IJSO, Netherlands
- Secured **AIR 37** in SA Stream in **KVPY-2018** Fellowship program by *Dept. of Science & Technology, Govt. of India*
- Qualified to appear in **INMO-2018; INAO-2018; INAO-2019; INChO-2019; INPhO-2019**
- Secured State 1st Rank in **AP-EAMCET 2019** and **TS-EAMCET 2019**

INTERNSHIPS

- Cohesity, India** June, 2022 - July, 2022
Software Development Intern
 - Performed backend changes to add support for the Next Generation Cloud Edition
 - Performed backend changes to enable the addition of tags to GCP-clusters deployed with the Control VM image

PROJECTS

- Object Detection Using Transformers** May, 2022 - May, 2023
Prof. Chetan Arora
 - Used DETR-Based models to improve the accuracy of detecting the objects in the MAVI(Mobility Assistant For Visually Impaired) Dataset from 85% to 95%.
 - Also worked on creating new dataset by providing annotations and benchmarking the dataset using DETR-based models and Single Stage Detectors
- Dialogue Systems to Instructions** Apr, 2023 - May, 2023
Prof. Mausam
 - Finetuned a Google-T5 model to build a Task-Oriented Dialogue System to convert the dialogue and related context into instructions with specific grammar rules.
 - Obtained a parsing accuracy of 100% and intent accuracy of 99% with an overall accuracy of 85% on the dataset
- 3D-Object Reconstruction** Mar, 2023 - April, 2023
Prof. Anurag Mittal
 - Performed camera calibration for smart-phone camera and used it to project simple 3D objects into the image.
- Frequent Itemset Mining** August, 2022
Prof. Sayan Ranu
 - Implemented the Apriori and FP-Tree Algorithms to mine the frequent itemsets with given support threshold
 - Analysed the running times of algorithms at different support thresholds on datasets of various sizes
- Yoga Pose Detection** Oct, 2021 - Nov, 2021
Prof. Rahul Garg
 - Implemented a classification model using Convolutional Neural Networks of PyTorch library to detect Yoga poses
 - Modified and optimized pre-trained models like Efficient-Net to increase the accuracy of the classification

TECHNICAL SKILLS

- Programming Languages:** Python, C/C++, Java
- Libraries:** Pytorch, Numpy, Pandas, OpenMP, MPI, OpenCV, Scipy, Matplotlib, CUDA, HuggingFace

KEY COURSES TAKEN

- Mathematics** :Probability & Stochastic Processes, Linear Algebra, Calculus, Number Theory
- Computer Science** :Data Structures & Algorithms, Digital Logic & System Design, Computer Architecture, Operating Systems, Artificial Intelligence, Computer Networks, Programming Languages, Theory of Computation, Parallel Algorithms, Discrete Mathematics, Machine Learning, Analysis & Design of Algorithms, Cryptography, Data Mining, Deep Learning, Natural Language Processing, Computer Vision

EXTRA CURRICULAR ACTIVITIES

- Chess:** Played Chess in State Level Competitions.
- Completed an Online course(**ARJUNA Webinars for Human Excellence or AWHE**) and also attended a workshop (**Prerana Workshop**) in 2019, conducted by the **ARJUNA GROUP TRUST**, a non-profit NGO.
- Rubik's Cuber:** Can solve $2 \times 2 \times 2$, $3 \times 3 \times 3$, $4 \times 4 \times 4$ Rubik's Cubes.