KURISETI RAVI SRI TEJA

pandukuriseti@gmail.com

LinkedIn
Github
+91-7287801234

Academic Details

Year	Degree	Institute	CGPA/Percentage
2019-2023	B.Tech in Computer Science Engineering with Specialization in Data Analytics and Artificial Intelligence	Indian Institute of Technology Delhi	**8.64/10**
2019	Class XII, AP State Board	Sri Chaitanya Junior College, Vijayawada	**97.9%**
2017	Class X, AP State Board	Sri Chaitanya School, Vijayawada	**9.8/10**

Scholastic Achievements

- Secured **AIR-65** Rank among 2.5 lakh candidates in **JEE-ADVANCED** Examination-2019.
- Secured **AIR-136** Rank among 10 lakh candidates in **JEE-MAINS** Examination-2019.
- Stood among the **TOP-35** candidates in **NSEP-INPhO** Examinations 2018-19 and was awarded **GOLD MEDAL** and Certifcate Of Merit and attended the subsequent **Indian Orientation Cum Selection Camp** organized by **HBCSE(TIFR)** in **MUMBAI**.
- Stood among the **TOP-36** candidates in **INJSO** Examinations 2016-17 and attended the subsequent **Indian Orientation Cum Selection Camp** organized by **HBCSE(TIFR)** in **MUMBAI**.
- Secured **AIR-37** Rank in **KVPY-2017** in **SA-Stream** and became eligible for the **KVPY Scholarship**.
- Secured **State 1st Rank** among 1.9 lakh candidates in **AP-EAMCET** Examination-2019.
- Secured **State 1st Rank** among 1.3 lakh candidates in **TS-EAMCET** Examination-2019.
- Qualifed to appear in **INMO-2018; INAO-2018; INAO-2019; INChO-2019; INPhO-2019**.
- Secured 450/450 in **BITSAT-2019**.

*__HBCSE:__ Homi Bhabha Centre for Science Education. *__AIR:__ All India Rank.

Internships

Cohesity India *NGCE Deployment* [June'22 - July'22]

- Performed backend changes to add support for the Next Generation Cloud Edition
- Enabled the support for adding tags to GCP-clusters deployed with the Control VM image

Courses Done

- **Computer Science:** Introduction to Computer Programming, Data Structures & Algorithms, Discrete Mathematics, Digital Logic & System Design, Computer Architecture, Operating Systems, Artificial Intelligence, Computer Networks, Programming Languages, Theory of Computation, Parallel Algorithms, Machine Learning, Analysis & Design of Algorithms, Cryptography, Data Mining, Deep Learning, Natural Language Processing, Computer Vision, B.Tech Project Parts-1,2.
- **Mathematics:** Probability & Stochastic Processes, Linear Algebra, Calculus, Number Theory.
- **Electrical:** Introduction to Electrical Engineering, Signals and Systems

Technical Skills

- **Programming Languages:** Python, Java, C++, C
  - Also worked with HTML,CSS,VHDL,SML,Assembly Language
- **Libraries:** PyTorch, Numpy, Matplotlib, Open-CV, Open-MP, Open-MPI, Scipy, Pandas, CUDA, Huggingface

Research Projects

- **Object Detection using Transformers (Prof.Chetan Arora)** (July 2022 - June 2023)
  - Explored architectures of various state-of-the-art transformer-based object detectors.
  - Used DETR-based models to improve the accuracy of detecting various objects in the MAVI (Mobility Assistant for the Visually Impaired) Dataset.
  - Also worked on improving the accuracy of detecting pedestrians in various public datasets using transformer-based object detectors.

Course Projects

- **Dialog Parsing for Task-Oriented Dialog Systems (Prof.Mausam)** (April 2023)
  - Used pre-trained language models to predict a parsed output based on the given context and dialogue information.
- **Traffic Prediction (Prof.Sayan Ranu)** (November 2022)
  - Used Spatio-temporal Graph Neural Networks to predict the traffic data in a road network for future time-stamps using data from past.
- **3D-Object Reconstruction (Prof.Anurag Mittal)** (March 2023)
  - Performed camera calibration for the smart-phone camera using multiple images of chess-board
  - Used the calibrated camera to project simple 3D objects into the 2D plane.
- **Yoga Pose Detection (Prof.Rahul Garg)** (November 2021)
  - Developed a Machine Learning Model to predict various yoga poses
  - Obtained an accuracy of 79% on test data that contained images with an unseen angle which was the **Second** best accuracy among the class.
- **Taxi-World Learning (Prof.Rohan Paul)** (November 2021)
  - Implemented various techniques such as Value Iteration, Policy Iteration, Q-Learning, SARSA to obtain the best possible policy for a taxi in a grid world that performs simple actions such as Pickup, Putdown, Move up, Move down, Move right and Move left.
- **Multi-Core Processor Simulation (Prof.Preeti Ranjan Panda)** (March 2021-May 2021)
  - Simulated a Multi-Core Processor that supports a sub-set of MIPS Instructions and Non-Blocking Memory in **C++**.

Co-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 2x2x2,3x3x3,4x4x4 Rubik's Cubes.