

Chaganti Venkatarami Reddy

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EDUCATION

- Indian Institute of Information Technology Sonapat** Haryana, India
Bachelor of Technology - Computer Science & Engineering; SGPA: 9.57/10.00 December 2020 - Present
Courses: Data Structures, Analysis Of Algorithms, Object Oriented Programming, Databases, Web Development, Operating Systems, Networking, Machine Learning, Data Analysis, Soft Computing, Operational Research
- Board of Intermediate Education** Andhra Pradesh, India
Physical Sciences; GPA: 9.75/10.00 April 2018 - March 2020
- Board of Secondary Education** Andhra Pradesh, India
Physical Sciences; GPA: 10.00/10.00 March 2017 - March 2018

SKILLS SUMMARY

- Languages:** C, C++, **Python**, SQL, RDBMS, HTML, CSS, JavaScript, Bash, Latex, **JSON**
- Frameworks:** **TensorFlow**, OpenCV, Pandas, Numpy, Matplotlib, Flask
- Tools:** **GIT** & VC, **Docker**, MySQL, VS Code, Microsoft Excel Jupyter Tools, **MATLAB**
- Techniques:** Machine Learning, Deep Learning, Web Development, Optimization Problems
- Platforms:** **Linux** Commands & Administration, Windows, Web, Mac OS
- Soft Skills:** Leadership, Problem Solving, Multi Tasking, Public Speaking, Time Management, Analytical Thinking

EXPERIENCE

- IIT Bombay** Remote
Machine Learning Research Intern (Internship) October 2022 - December 2022
 - Computer Vision:** Developed a Computer Vision Algorithm during my tenure.
 - Optimization:** Optimized the Algorithm and improved the accuracy.
- Feynn Labs** Remote
Machine Learning Engineer (Internship) April 2022 - June 2022
 - Leadership:** Supervised a team of 3 during my Tenure at Feynn Labs.
 - Market Segmentation:** Analysed Electric Vehicle Market using Segmentation techniques in India and developed a model for predictions.

PROJECTS & CONTRIBUTIONS

- Image Segmentation Using PSO (ML, Particle Swarm Optimization)-[Associated with IIIT Sonapat]:**
Image Segmentation using PSO is an optimized version of Image segmentation method using meta-heuristic algorithms.. Tech: Python, SKLearn, PSO, OpenCV, Docker, VS Code (May 2023) - [Github](#)
- Kelly Betting & Football Prediction (Machine Learning, Data Analysis)-[Associated with IIIT Sonapat]:**
This is a Data Science project in which creating a machine learning model to make prediction of a football match and betting prediction... Tech: Python, SKLearn, Machine Learning Algorithms, Pandas, Seaborn, Pickle (Nov 2022) - [Github](#)
- Monkey Detection (Machine Learning, Computer Vision)-[Associated with IIT Bombay]:** Monkey Detection is a Computer vision project which detects monkey using You only Look Once (YOLO) Version 7 model and created end points using flask framework.. Tech: Python, YOLO V7, Machine Learning Algorithms, OpenCV, Flask (Sept 2022) - [Github](#)
- Face Mask Detector(Machine Learning, Computer Vision)-[Associated with IIIT Sonapat]:** Face Mask Detection System built with OpenCV, Keras/TensorFlow using Deep Learning and Computer Vision concepts in order to detect face masks in static images as well as in real-time video streams. Tech: Python,OpenCV, Keras Machine Learning Algorithms, Jupyter Notebook (Nov 2021) - [Github](#)

ACHIEVEMENTS

- Academic Excellence:** Attained the **top position** within the university, securing the 1st rank and achieving a remarkable SGPA of 9.57, showcasing exceptional academic excellence and dedication.
- Credit Card Default Risk Analysis (Data Science):** Achieved 1st rank in Private and 10th rank in Public Dataset of the NPCI Hackathon. (October 2022) - [Kaggle](#)
- Online Peer to Peer Lending (Data Science):** Achieved 5th rank in Private and 6th rank in the Public Dataset of the NPCI Hackathon. (October 2022) - [Kaggle](#)
- JEE Mains (Competitive Examination):** Successfully cracked the JEE Mains (Joint Entrance Examination for Engineering) with a remarkable percentile score of **98.2 percentile**. (2020)
- AP EAMCET (Competitive Examination):** Achieved an impressive rank of 2000 in the highly competitive AP EAMCET (Andhra Pradesh Engineering, Agriculture, and Medical Common Entrance Test). (2020)