

Chimata Anudeep

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EDUCATION

Birla Institute of Technology and Science, Pilani

Bachelor of Engineering in Computer Science

Master of Science (Hons.) in Economics

Minor in Data Science

Cumulative GPA : 9.07/10.00

Goa, India

Aug 2021 – Present

Rashtriya Indian Military College

Class 8 - Class 12

Dehradun, India

July 2016 - May 2021

EXPERIENCE

Research Internship

under Assistant Professor Dr.Konda Reddy Mopuri

April 2024 – Present

IIT Hyderabad, India

- Investigating coreset selection methods to reduce dataset size while maintaining model performance in computer vision tasks.
- Exploring dataset distillation techniques to create smaller, representative datasets for efficient training.
- Implementing algorithms to select key subsets of data that capture essential information for model training.
- Evaluating the impact of reduced datasets on model accuracy and performance using standard computer vision benchmarks.

Study Oriented Project

under Assistant Professor Dr.Manogna R L

Jan 2024 – May 2024

BITS Pilani K. K. Birla Goa Campus, India

- Collected and preprocessed data on fintech growth and sustainability metrics from reputable sources for BRICS.
- Defined key fintech and sustainability indicators to explore their relationships.
- Identified significant positive correlations between fintech advancements and sustainability outcomes.
- Compiled findings into a comprehensive report and presented them to journals.

Machine Learning Research Assistant

under Senior Scientist Dr. Kaushal Kishore

May 2023 – May 2024

CSIR CEERI,Pilani, India

- Implement and adapt the CACLA algorithm for drone navigation within indoor environments.
- Fine-tune algorithm parameters and configurations to optimize navigation performance.
- Gather sensor data from the drone's onboard LIDAR and preprocess it for input to the algorithm.
- Define the state space, action space, and rewards system for the CACLA algorithm in the context of drone navigation.
- Develop a reward function that encourages safe and efficient navigation while avoiding collisions.
- Conduct systematic testing to evaluate the algorithm's performance in different indoor scenarios and against various challenges.

First Degree Teaching Assistant

Security Analysis and Portfolio Management

Jan 2023 – May 2023

BITS Pilani K. K. Birla Goa Campus, India

- Assist in organizing and coordinating logistics for exams, presentations, and group projects.
- Help maintain course-related records, attendance, and other administrative duties as needed.
- Assist students in using any relevant software tools or financial analysis platforms used in the course.

TECHNICAL SKILLS

Languages: Python, C/C++, SQL (Postgres), JavaScript, HTML/CSS, Java, Bash, MATLAB

Frameworks: PyTorch, TensorFlow, Django, Selenium

Developer Tools: Git, VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse

Libraries: Pandas, NumPy, Matplotlib, NLTK, Seaborn