ANNAPOORNA SAI SRIRAM MANDALIKA

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OBJECTIVE

Actively looking for an internship position in AI, Deep Learning, Computer Vision and Robotics.

EDUCATION

Bachelor of Technology, SRM University 2021 - 2025*
Computer Science and Engineering with specialisation in AI and ML

SKILLS

Technical Skills	Python/PyTorch, R(Basic), Basic SQL, MATLAB, AWS
Machine Learning	Neural networks, Computer Vision, Supervised and Unsupervised learning,
Robotics	Machine Vision, Autonomous Vehicles.
Tools	Jupyter, Git/Github and LaTeX.
Soft-Skills	Research, Collaboration, Ethical Awareness, Adaptability to Interdisciplinary Knowledge

EXPERIENCE

Research Intern Dec 2022 - Present
IIT Hyderabad *Hyderabad, TS*
Supervisor: **Dr. C Krishna Mohan**

Explored and implemented an IoT-based optimization function with Nonlinear Equality Constraints to address a prominent image classification problem. Employed a Federated Learning approach, incorporating multiple models such as pre-trained DenseNet-121 and custom ResNets. Currently focused on continual learning and addressing catastrophic forgetting in generalized computer vision tasks.

Junior Data Scientist - Intern May 2023
British Airways *Remote*

Worked on building analytical models for optimisation of operations using flight data collected from Boeing and Airbus aircraft models. Also did an analysis of customer reviews for the airline.

Undergraduate Researcher Jan 2022 - Present
SRM University, Kattankulathur *Kattankulathur, TN*
Supervisor: **Dr. Athira. M. Nambiar**

Working on active Learning with viewpoint entropy for semantic segmentation and deep interactive and active learning for semantic segmentation in remote sensing.

Research Intern Mar 2022 - Jun 2022
IIT Hyderabad *Hyderabad, TS*
Supervisor: **Dr. C Krishna Mohan**

Employed Neural Networks and Stochastic Gradient Descent (SGD) optimization to enhance accuracy in image classification tasks. Developed a customized 4 deep-layered image classification model in Python and an 18 deep-layer model in PyTorch. Conducted comprehensive result analysis, showcasing proficiency in leveraging these models for superior classification outcomes.

EXTRA-CURRICULAR ACTIVITIES

Research and Development Head Jan 2023 - Present
IEEE SRM SB

Guided and mentored students in research procedures, enhancing their skills and supporting their projects. We collaborate on deep learning projects and teach Computer Vision and Robotics with members.