ANNAPOORNA SAI SRIRAM MANDALIKA

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OBJECTIVE

I am 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, R(Basic), Basic SQL, MATLAB, AWS
Machine Learning	Neural networks, GANs, Computer Vision, Supervised and Unsupervised learning, Reinforcement Learning.
Robotics	Machine Vision, Autonomous Vehicles.
Tools	Jupyter, Git/Github and LaTeX.

EXPERIENCE

Research Intern Dec 2023 - Present
IIT Hyderabad *Hyderabad, TS*
Supervisor: **Dr. C Krishna Mohan**

Investigated and implemented IoT-based optimisation function called DONE (Distributed Optimization with Nonlinear Equality Constraints)for solving a classic image classification problem by utilising a Federated Learning approach using nodes on multiple model architectures including a pre-trained DenseNet-121, and custom models ResNets. I am currently working on a custom loss function for generalised computer vision tasks.

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**

Worked on Image classification problems using Neural-networks for Stochastic Gradient Descent (SGD) optimization for better accuracy. Prepared a custom image classification model using Python that is four layers and in PyTorch with eighteen layers and analysed the results.

EXTRA-CURRICULAR ACTIVITIES

Research and Development Head Jan 2023 - Present
IEEE SRM SB

Advising and guiding students to research procedures, improving their skills and mentoring for their projects. I am also building a project with other members based on deep learning. I am also involved in teaching students about Computer Vision and Robotics.