

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/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.

EXPERIENCE

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

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

Research Intern Dec 2022 - 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.