

# ANNAPOORNA SAI SRIRAM MANDALIKA

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## OBJECTIVE

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I am actively looking for an internship position in AI, Deep Learning Computer Vision and Robotics.

## EDUCATION

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

## SKILLS

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<b>Technical Skills</b>	Python/PyTorch, R(Basic), Basic SQL, MATLAB, AWS
<b>Machine Learning</b>	Neural networks, Computer Vision, Supervised and Unsupervised learning,
<b>Robotics</b>	Machine Vision, Autonomous Vehicles.
<b>Tools</b>	Jupyter, Git/Github and LaTeX.

## EXPERIENCE

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

Investigated and implemented IoT-based optimisation function with Nonlinear Equality Constraints for solving a classic image classification problem by utilising a Federated Learning approach using multiple models including pre-trained ones like DenseNet-121, and custom ResNets. I am working on continual learning and catastrophic forgetting for generalised 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**

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

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**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.