

SUYASH BALASUBRAMANIAM

ML Engineering

CONTACT

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EDUCATION

2023 - 2027

Sri sairam engineering college

- Bachelor of Technology in
Artificial Intelligence and Data Science

skills

- Programming Languages: Python, R,
- Machine Learning Frameworks: TensorFlow,
PyTorch, Keras
- Computer Vision: Image processing, object detection
(YOLO), image segmentation
- Natural Language Processing (NLP): Text analysis,
sentiment analysis, language modeling
- Data Analysis & Visualization: Pandas, NumPy,
Matplotlib, Seaborn
- Mathematics & Statistics: Probability, linear algebra,
calculus
- Problem-Solving: Analytical thinking, critical reasoning

Languages

- English: Fluent
- Tamil: Fluent
- Gujarati: Basics
- Hindi: Fluent
- Kannada : Basics

Profile Summary

Currently pursuing a degree in Artificial Intelligence and Data Science at Sri Sairam Engineering College, I am passionate about advancing my knowledge and skills in the fields of computer vision and large language models (LLMs). With a solid foundation in AI principles and practical experience in developing innovative solutions, I am dedicated to leveraging cutting-edge technologies to solve real-world problems. My goal is to contribute to projects that harness the power of AI to enhance user experiences and drive efficiency across various industries.

Experience

1.Maestrominds , Chennai

Role: AI/ML Developer

Duration: January 2024- Present

Contributed to the development and optimization of machine learning models for various AI-driven solutions. Collaborated with a team to implement innovative algorithms, enhancing project performance and scalability.

2.Vebox , Chennai

Role: Data Analyst intern

Duration: July 2024 - December 2024

Data Analyst Intern at Vebox, analyzing datasets to generate insights and optimize business strategies. Used statistical techniques and visualization tools for data-driven decision-making.

3.Saint Gobain India Pvt limited, Chennai

Role: Django intern

Duration: January 2024 - February 2024

Django Intern at Saint-Gobain, developing backend solutions and UI for smart devices. Built seamless web applications integrating frontend and backend.

Projects

YOLO v8 Football Analysis

Utilized the YOLO v8 model for real-time object detection and analysis in football scenarios.

Designed a pipeline to identify and predict key events in matches, improving analytical insights for sports analysis.

ThermoRevive

Spearheaded the development of a solution for converting waste heat from transformers into electricity using thermoelectric technologies like Peltier modules.

Worked on a digital twin model to simulate energy efficiency improvements in power systems, focusing on sustainability and energy optimization.

Achievement

Leadership

Vice Chairperson, IEEE NPSS Society at Sri Sairam Engineering College

Elected as Vice Chairperson, organizing events, fostering professional growth, and leading initiatives within the IEEE NPSS community at Sri Sairam Engineering College.

Awards & Recognitions

1st Prize - NDLI Club Hackathon at Sri Sairam Engineering College

Secured the top position in a college-level hackathon, demonstrating innovative solutions in real-time challenges.

3rd Prize - SIT SIHUB at Sri Sairam Institute of Technology

Awarded 3rd prize for outstanding performance in a competitive event showcasing technical and analytical skills.