

# Janani S

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## Summary

Aspiring Data Scientist skilled in ML, DL, NLP, and Data Analytics. Passionate about translating complex data into AI-driven solutions across healthcare, finance, and sustainability domains.

## Education

- **B.Tech in Artificial Intelligence and Data Science** 2022 – 2026  
*Saveetha Engineering College, Chennai, India*  
CGPA: 8.65 / 10
- **Higher Secondary** 2019 – 2022  
*Prince Matriculation Higher Secondary School, Chennai, India*  
HSC: 556 / 600 (92.6%); SSLC: 461 / 500 (92.2%)

## Technical Skills

- **Programming:** Java, Python, C, HTML, CSS, JavaScript, SQL
- **Web & Backend:** React, Node.js, Streamlit, Spring Boot
- **ML & AI:** OpenCV, TensorFlow, PyTorch, Hugging Face
- **Data & Visualization:** Pandas, Excel, Power BI
- **Tools & Cloud:** Git, VS Code, Google Cloud

## Experience & Projects

- **Machine Learning Intern, Arjun Vision Tech** Jul 2024 – Sep 2024
  - Developed a CNN-based AI system for retinal blindness detection (82% accuracy, F1-score 0.79) using annotated fundus images.
- **SAR Image Colorization**
  - Implemented CNN-based colorization of grayscale SAR satellite imagery (MSE 0.034) to enhance visual interpretability.
- **Wildlife Audio Classification**
  - Designed an ensemble CNN model achieving 84% accuracy and 0.87 precision for environmental audio classification—supporting wildlife conservation efforts.
- **Automated X-ray Bone Fracture Detection**
  - Built AI pipeline leveraging segmentation for detection and localization, achieving 88% accuracy with IoU of 0.76.

## Leadership & Activities

- **Co-Chair, Yuva Club (Child Safety Vertical):** Led awareness campaigns & organized school safety events.
- **Student Coordinator, Drestein 2024:** Coordinated workshops and tech events, driving high student participation.

## Certifications

- OpenCV 3 Image Processing with Python — Infosys Springboard
- CUDA 10 Programming — Infosys Springboard
- Data Analytics using Python — NPTEL