

# SIRISHA O

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## EXECUTIVE SUMMARY

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Aspiring software developer with a solid foundation in Data Structures and Algorithms, seeking an opportunity to apply and grow my skills. Eager to contribute to tasks in a dynamic team environment. I want to be a part of your incredible growth journey and I will be able to add value to the organization.

## EDUCATION

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Saveetha Engineering College | Chennai

(2022 – 2026)

Bachelor of Technology

Artificial Intelligence and Data Science

CGPA : 8.5

## INTERNSHIP EXPERIENCE

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Karthikeya Software Solutions

(June 2024 – July 2024)

Web Designing & Development

- Developed a full-featured e-commerce site for computer accessories.
- Designed responsive and intuitive UI/UX for easy navigation.
- Built using HTML, CSS, and JavaScript for a scalable solution.
- Performed testing and debugging for cross-browser compatibility.

## PROJECTS

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Machine Learning based Natural Disaster Prediction | Python, SQL, Machine Learning

(August 2024)

- Developed a machine learning model to predict flood or drought based on rainfall patterns in India.
- Analysed rainfall data across daily, monthly, seasonal, and annual levels to identify disaster risks.
- Focused on feature selection and pattern recognition to improve prediction accuracy.

Micro plastic detection using Detectron 2 | Python, SQL, Detectron2, Machine Learning

(February 2025)

- Built a computer vision model using Detectron2 to detect and classify microplastics in microscopic images.
- Trained and fine-tuned the model for high accuracy across various particle sizes and shapes.
- Applied skills in data annotation, image processing, model training, and Python programming for environmental research.

## SKILLS

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**LANGUAGES**    Java • C • Python • SQL • JavaScript

**FRONTEND**    ReactJS • HTML • CSS • Bootstrap

**BACKEND**    SQL • MongoDB

**NON-TECHNICAL**    Communication • Analytical Skills • Creativity • Leadership • Self Motivated

## CERTIFICATES

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Parallel Computing Architecture - Coursera

Operating System - Great Learning

Applied Artificial Intelligence - Infosys

Neural Network - Infosys

SmartED - Data Science

Dynamic Public speaking - University of Washington (Coursera)