

# Srinithi Sasikumar

Postgraduate

Department of Computer Application

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## EDUCATION

| Degree | Institution              | CGPA | Year      |
|--------|--------------------------|------|-----------|
| M.C.A  | Mohan Babu University    | 9.2  | 2023-2025 |
| B.Sc.  | SDHR Degree & Pg College | 8.3  | 2020-2023 |

## INTERNSHIP EXPERIENCE

### Python Software Development Intern

(May - Jul 2023)

- Completed a 12-week internship focused on full stack development fundamentals.
- Improved problem-solving skills and coding practices under professional mentorship.

### Python – Software Developer

(May- Jul 2023)

- Completed a 12-week internship focused on Python software development, covering such as Python, HTML, CSS, JavaScript, SQL.
- Gained hands on experience in building Python applications and applying various techniques for debugging.

## PROJECTS

### AI-Powered Visual Tracking System for Monitoring Progress in Construction Sites

- Developed a real-time monitoring system using computer vision (YOLOv8, DeepLabV3+) and 4D BIM for tracking construction progress and safety.
- Achieved 93%+ in object detection and 90%+ in semantic segmentation of structural elements.

## ACHIEVEMENTS AND CERTIFICATIONS

- Google Data Analytics – Coursera
- Smart Construction Progress Tracking with AI – CRATE 2025(Paper Presentation)

## SKILL SUMMARY

**Frontend:** HTML, Bootstrap, JavaScript.

**Languages:** Python.

**Database:** SQL.

**Soft Skills:** Team Work, Honesty, Adaptability.

## EXTRA-CURRICULAR ACTIVITIES

- Participated in the University Badminton Tournament (Doubles) and was the winner of the League.
- Led the organization and coordination of a major cultural event along with a team at MBU.