Sai Swastik Pattanaik

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About Me

Motivated and self-driven engineering student with a passion for programming. Seeking an opportunity in the IT industry to apply my skills in web development and software programming while contributing to the growth of a forward-thinking organization.

Education

Amrita Ahead University, MCA in Artificial Intelligence & Machine Learning   Dec 2024 - Present
- **CGPA:** 7.85 / 10.0
- **Coursework:** Business Analytics & Visualization, Foundations of Machine Learning, Mathematical Foundation for Computer Applications, Natural Language Processing

Gandhi Institute for Technology, BBSR, BTech in Agricultural Engineering   Dec 2020 - May 2024
- **CGPA:** 7.9 / 10.0
- **Coursework:** Programming for Problem Solving using C, Object Oriented Programming using Java, Artificial Intelligence & Machine Learning

Experience

Remote Sensing Intern, Training Hub Labs - ISRO, Bhubaneswar   April 2025 - May 2025
- Conducted drone-based remote sensing for agricultural monitoring, performing geospatial mapping and crop distribution analysis across survey regions.
- Developed agricultural monitoring protocols through aerial data collection and processing for precision farming applications.

Projects

Real-Time Object Detection
- Developed real-time object detection system using OpenCV and Python, implementing computer vision algorithms to achieve optimal balance between processing speed and detection accuracy.
- Tools Used: Python, OpenCV

Hot Wheels Website
- Built a responsive Hot Wheels themed website with HTML and CSS, implementing basic shopping cart functionality including "Add to Cart" and purchase features to simulate online retail experience.
- Tools Used: HTML, CSS

Technologies

Languages: C, C++, Java, HTML, CSS

Technologies: Microsoft Office, Visual Studio Code

Seminars & Certifications

- Google Cloud Computing Foundations Certificate
- Attended a seminar on Solar Energy conducted by Solar Energy society of India (SESI).

Extracurriculars

- Runners-up in Jharsuguda district level badminton tournament.
- Reached top 4 in college level badminton tournament.