

MADHUMITHA S V

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Profile Summary

Computer Science Engineering student specializing in Artificial Intelligence, with hands-on experience in machine learning, web application development, and data-driven problem-solving. Skilled in designing real-time monitoring systems, optimizing workflows, and delivering efficient digital solutions. Proven track record through internships and projects spanning SEO, frontend development, and ML, demonstrating adaptability across technology and business functions.

Education

Sathyabama Institute of Science and Technology	August 2023 – Present
BE Computer Science Engineering with Specialization in AI - CGPA: 7.66	
Velammal Vidhyashram Mambakkam	April 2021 – March 2023
Higher Secondary School - Percentage: 74%	
Velammal Vidhyashram Mambakkam	April 2019 – March 2021
Senior Secondary School - Percentage: 85.4%	

Experience

Software Developer - MarteX Software Enterprises	Chennai
○ Developed and deployed tailored AI-driven web applications for clients, delivering scalable and performance-optimized solutions.	October 2025 - Present
○ Collaborated with cross-functional teams to design intelligent automation workflows and data-driven dashboards.	
○ Tech Stack: HTML,CSS,Flutter, React.js, Python, Flask	
AI/ML Engineer - Meras Plugins Pvt.Ltd.	IITM Research Park
○ Spearhead Real-Time Energy Management Dashboard for Multi-Building Consumption Analytics, Anomaly Detection, and Efficiency Reporting.	Jul 2025 - Oct 2025
○ Tech Stack: AWS S3, JavaScript, React.js,Timescale Db,Python, Scikit-learn	
SEO Analyst - Zuuce Solutions	Siruseri
○ Executed SEO initiatives boosting organic traffic by 20% and enhancing lead generation.	Jan 2025 - Jun 2025
○ Tools: Google Search Console, SEMrush, Ahrefs, WordPress.	
Frontend Developer Intern - Relyce Infotech	Shollinganallur
○ Delivered responsive React.js and Flutter UI components, enhancing UX and lifting engagement metrics by 15%.	Oct 2024 - Jan 2025
○ Tech Stack: React.js, Flutter, JavaScript, UI/UX Design principles.	

Projects

CodyGrow - Streamlining the Data Science Workflow	April 2025 - Present
○ Developed a web platform to simplify data science workflows through reusable scripts for data cleaning, modeling, and visualization, accelerating project delivery for users with varying expertise.	

WearX - Real-Time Disease Monitoring

March 2025

- Designed and implemented a low-cost AI wearable device for real-time detection of stroke, fall incidents, and Parkinson's disease symptoms, enabling early intervention via live health tracking and emergency alerts.
- Tech Stack: Flutter, Firebase, ESP32, ML Models (Python).

Code Craft - Event Summary Application

August 2024

- Developed a secure Flask web app to provide event highlights, day-wise summaries, and workshop details for CodeCraft, increasing attendee engagement and accessibility to event content.
- Tech Stack: Flask, Python, SQLite, Authentication modules.

Technologies

Programming Languages: Python, JavaScript, C, HTML, CSS

Developer Tools: VS Code, Android Studio

Technologies & Frameworks: GitHub, WordPress, Figma, Canva, Microsoft Office, Flask, React.js, React Native, Flutter, Semrush.

Soft Skills: Communication, Teamwork, Project Management, Leadership, Critical Thinking, Problem solving

Languages: English, Tamil, Hindi

Certifications

Meta Ads 101 Workshop - GUVI Geek Networks ↗	June 2025
BITS Pilani Hyderabad Hackathon - Participant ↗	March 2025
Introduction to Data Science - Cisco Networking Academy ↗	May 2025
Introduction to Modern AI - Cisco Networking Academy ↗	May 2025
Natural Language Processing Fundamentals - Infosys Springboard ↗	April 2025
Generative AI - GUVI Geek Networks ↗	October 2024
Smart India Hackathon (SIH) 2024 - Top 25 College Level ↗	September 2024
Machine Learning Onramp - MathWorks ↗	September 2024
React.js - Infosys Springboard ↗	August 2024
Cyber Security and Ethical Hacking - Coincent.ai ↗	December 2023