

# Madhavan A Ramanujan

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## SUMMARY

Motivated Computer Science undergraduate specializing in AI & Robotics with strong foundations in **Data Structures, Algorithms, and Machine Learning**. Hands-on experience in AI-based image analysis and algorithm visualization through academic projects. Certified by **Oracle University** in AI Foundations and Generative AI.

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## EDUCATION

VIT Chennai, Tamil Nadu, India

B.Tech – Computer Science & Engineering (AI & Robotics)

2023 – 2027 | CGPA: 8.10

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## SKILLS

**Programming Languages:** Java, Python, C, C++

**Core CS:** Data Structures & Algorithms, Sorting, Graph Algorithms, Operating Systems, DBMS, Computer Networks

**AI & ML:** Machine Learning basics, Image Classification

**Tools:** Git, HTML/CSS

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## INDUSTRY-ORIENTED TRAINING & CERTIFICATIONS

Oracle University – Oracle Cloud Infrastructure (Summer 2025)

• OCI 2025 AI Foundations Associate – Score: 83%

• OCI 2025 Generative AI Professional – Score: 72%

Completed as a structured summer learning program in place of an internship.

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## PROJECTS

### Dyslexia Detection Using Handwriting Images

• AI-based system to detect dyslexia indicators from handwriting images

• Built using **Python, Machine Learning, Image Processing, Flask**

GitHub: <https://github.com/Maddy152006/dyslexia-detection-ai>

### Sorting & Graph Algorithm Visualizer

• Interactive visualization tool for sorting and graph algorithms

• Built to improve algorithm understanding

GitHub: <https://github.com/Maddy152006/Algorithm-Visualizer-mini-project->

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## ACHIEVEMENTS & ACTIVITIES

Maintained **CGPA of 8.10** in a competitive engineering program. Actively involved in academic projects and continuous self-learning.