

# DHIVYA SHREETHA S

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## Summary

Aspiring Artificial Intelligence and Data Science student with hands-on experience in machine learning and full-stack development. Skilled in building real-world applications, participating in hackathons, and exploring modern AI tools and technologies. Passionate about applying technology to solve practical problems.

## Education

Karpagam Academy of Higher Education — B.Tech in Artificial Intelligence and Data Science	2024 – 2028
• Currently pursuing II Year	
Aggarwal Matriculation Higher Secondary School — HSC	2023 – 2024
• Completed Higher Secondary with 77%	

## Experience

Infosys Springboard Virtual Internship 6.0 — Web Development	Aug 2025 – Oct 2025
• Developed the real-world project <b>Waste Zero</b> with focus on UI structure, data flow, and optimized frontend performance.	
• Improved skills in component-based development, web design principles, and API integration.	
Pantech eLearning Pvt. Ltd — Full Stack Development (Django)	May 2025 – Jun 2025
• Built authentication workflows, REST APIs, and database models using Django.	
• Developed a functional full-stack application integrating frontend and backend operations.	

## Hackathons

Hack4Impact 2025 — Karpagam Academy of Higher Education	2025
• Built an offline parallel antivirus scanning pipeline using multiple VMs to enable multi-engine malware detection.	
• Contributed to VM configuration, workflow orchestration, and security optimization for sensitive data processing.	
Theervu'athon 2.0 — PSG College of Arts and Science	2025
• Presented <i>Dmentora AI</i> , an AI-based student mentoring concept with focus on personalized guidance.	
• Enhanced skills in idea validation, pitch presentation, and user-centric problem solving.	

## Projects

Sentiment Analysis Using Machine Learning	2025
• Developed an NLP sentiment classifier with preprocessing, tokenization, and model comparison.	
• Improved model reliability through hyperparameter tuning and evaluation using performance metrics.	
Waste Image Classification Using CNN	2025
• Built a CNN model to classify waste images into recyclable and non-recyclable categories.	
• Enhanced accuracy using data augmentation, regularization, and optimized training parameters.	
Hotel Room Reservation System	2025
• Created a functional booking system with reservation management and room availability features.	
• Focused on clean architecture, modular components, and smooth user flow.	

## Skills

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Python, HTML, CSS • Artificial Intelligence & Machine Learning • Django • TensorFlow • GitHub • Team Collaboration • Communication • Problem Solving

## Workshops

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### AICTE — Universal Human Values Workshop

2025

- Gained understanding of ethics, emotional intelligence, and responsible decision-making.
- Learned concepts supporting self-awareness, professional behavior, and personal development.

### R-Talks Webinar Series

2025

- Learned industry insights on employability, workplace expectations, and career development.
- Understood HR perspectives on communication, adaptability, and professional growth.

## Certifications

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- **NAIO 2025** — All India Rank 3 (Advanced Category)
- **Coursera:** GenAI in Data Analytics (Meta), ML with ChatGPT, Intro to Software Engineering (IBM), Python for Data Science (IBM)
- **NPTEL:** E-Business, Soft Skills, Mental Health, Operating Systems
- **Infosys:** TechA Linux Programming Foundation; Angular Web Developer Certification; Internet of Things Foundation; Data Structures & Algorithms Using Python – Part 1 & 2
- **Cisco:** Python Essentials 1, Introduction to Cybersecurity

## Languages

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Tamil, English

## Interests

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Gardening, Pencil Sketching,Dancing