

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 **Waste Zero** 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 *Dmentora AI*, 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

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

Workshops

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

- **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

Tamil, English

Interests

Gardening, Pencil Sketching, Dancing