



# HEMA HARSAN R

## STUDENT

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📍 Coimbatore, Tamil Nadu

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🗣 [HEMAHARSAN-3](#)

🌐 [Hema Harsan Portfolio](#)

## EDUCATION

### Dr.N.G.P Institute of Technology

2023 – 2026 – Present

Grade – 7.51

### Nachimuthu

### Polytechnic College

2020 – 2023

Percentage – 85.73%

### SSLC

### Bharathi Vidhyalaya Matric Higher Secondary School

2019 – 2020

## SKILLS

- Java
- C
- HTML
- CSS
- Python
- SQL

## LANGUAGES

- ENGLISH
- TAMIL

## ABOUT ME

I am highly motivated and detail-oriented Artificial Intelligence and Data Science student with a strong foundation in machine learning, data analytics, and full-stack development. Passionate about leveraging technology to solve real-world challenges. Proven ability to develop scalable and efficient applications.

## INTERNSHIP

Django & Web Development

**Pinesphere Solutions | coimbatore**

2024 – 2024

- Gained hands-on experience in Django framework, focusing on building scalable web applications.
- Worked with PostgreSQL for efficient database management and optimized queries for performance.
- Enhanced debugging and problem-solving skills by troubleshooting application issues and improving system efficiency.
- Developed and implemented secure authentication systems, including login and logout functionalities.
- Improved Python programming proficiency through participation in the 'Code for Life' platform.
- Strengthened understanding of web development best practices, including API integration and backend optimization.

## PROJECTS

**Pneumonia Prediction Using Random Forest**

2024 – 2024

- Developed a machine learning model using Random Forest to predict pneumonia based on medical imaging data.
- Utilized Python, Pandas, Seaborn, and Scikit-Learn for data preprocessing, feature engineering, and model evaluation.
- Implemented data visualization techniques to analyze patterns in medical datasets.

**Italian Recipes Website (HTML, CSS, JavaScript)**

2024 – 2024

- Developed a responsive website showcasing a collection of Italian recipes using HTML, CSS, and JavaScript.
- Designed an interactive and user-friendly UI, ensuring a seamless browsing experience.
- Implemented JavaScript-based dynamic content for recipe filtering and enhanced user interaction.

**Personal Portfolio Website (HTML, CSS, JavaScript)**

2025 – 2025

- Designed and developed a responsive portfolio website to showcase projects, skills, and achievements.
- Built an interactive UI with HTML, CSS, and JavaScript, ensuring a modern and engaging user experience.

## PARTICIPATION

- **National Level 36-Hour HAC-Kathon'25** – Participated in a Human-Animal Conflict Hackathon, organized by Sri Ramakrishna Engineering College in association with the Tamil Nadu Forest Department (March 14-15, 2025).
- **Automotive Cyber Security Workshop** – Successfully completed a workshop on Automotive Cyber Security at the Lumino 2K24 Symposium, organized by IEEE Student Branch-64491, Bannari Amman Institute of Technology.
- **Programming Quiz & Debugging Competition** – Secured 1st place in the Lumino 2K24 Symposium organized by IEEE Student Branch-64491.
- **Circuit Quiz & Debugging Competition** – Secured 4th place in the Lumino 2K24 Symposium organized by IEEE Student Branch-64491.

## CERTIFICATION

- **NPTEL Certification – Introduction to Industry 4.0 and Industrial Internet of Things** – Successfully completed an NPTEL online course offered by **IIT KHARAGPUR**, securing **ELITE GRADE**
- **NPTEL Certification – Advanced R Programming for Data Analytical in Business** – Successfully completed an NPTEL online course offered by **IIT KANPUR**.

## INTERESTS

Data Analytics | Full Stack Development

Place : Coimbatore

Date :