

HEMA PRIYA R

WEB DEVELOPER

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ABOUT ME

I am a skilled Web Developer and Java Programmer with experience in building responsive, user-friendly applications. My interests extend to Machine Learning, where I explore solutions to real-world challenges. I also have strong UI design skills, enabling me to craft intuitive and visually appealing user interfaces. I aim to leverage my technical expertise and creativity to contribute to innovative projects and enhance user experiences.

PROJECT

AGROGURU – Agriculture Training Platform

Developed AGROGURU, an innovative web-based platform designed to educate and empower farmers with modern agricultural practices. The platform integrates advanced machine learning models to enhance decision-making:

- **Soil Health Prediction:** Analyzes input data (e.g., soil composition, pH levels) to provide insights into soil health and recommend suitable measures.
- **Crop Prediction:** Suggests optimal crop types based on parameters such as soil properties, weather conditions, and geographical factors.

AGROGURU aims to revolutionize farming education by providing data-driven solutions, promoting sustainable agriculture, and enhancing crop yield efficiency.

TECHNICAL SKILLS

- **Programming Languages:** C, C++, Python, Java
- **Web Development:** HTML, CSS, JavaScript
- **Machine Learning:** Basic understanding of algorithms, model development, and libraries (e.g., Scikit-learn, TensorFlow)
- **Databases:** Basic SQL

PROFESSIONAL EXPERIENCE

Data Analytics Process Automation (AICTE Eduskills)

May 2023 - July 2023

- **Automating Data Analysis:** Learned to automate data analytics tasks using Alteryx tools for efficient data processing.
- **Data Transformation:** Worked on cleaning, blending, and transforming raw data into meaningful insights.
- **Workflow Automation:** Gained skills in creating automated data workflows to improve decision-making and save time.

AI-ML virtual Internship(AICTE Eduskills)

Jan 2024 - Mar 2024

- **Hands-On Experience:** Gained practical skills in training, fine-tuning, and deploying machine learning models using advanced tools like TensorFlow and AutoML.
- **Problem-Solving Focus:** Worked on real-world challenges in areas such as natural language processing, computer vision, and predictive analytics to build practical solutions.
- **Technology Exposure:** Worked closely with cutting-edge AI and ML technologies, deepening understanding of industry-standard practices and techniques.

EDUCATION

Higher Secondary Education (12th): 2021-2022

- A.R.L.M Matriculation Higher Secondary School | Stateboard
- Percentage: 92 %

Secondary Education (10th): 2019-2020

- A.R.L.M Matriculation Higher Secondary School | Stateboard
- Percentage: 84 %

Bachelor of Technology (B.Tech) | Artificial Intelligence & Data Science 2022-2026

- Sri Manakula Vinayagar Engineering College, Autonomous University
- CGPA: 9.26

ADDITIONAL INFORMATION

- **Languages:** English, Tamil, Hindi.
- **Certifications:** NPTEL(C,Python for Data Science,Java),ICT Learnathon(Introduction to MongoDB, AI, and Vector Search),Google Cloud(Introduction to Generative AI),Infosys(Python for Data Science,Explore ML using Python,NLP for Developers),Cisco(Data Analytics Essentials).
- **Achievements:** Won First Prize in the Web Development domain at Hackmaster, an intradepartmental hackathon organized by the Department of AI and Data Science. Developed AGROGURU, an innovative Agriculture Training Platform designed to revolutionize farming education and empower communities.