

# HEMAVATHI R



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## EDUCATION

- **SRM Institute of Science and Technology** Chennai, India  
*Bachelor of Technology - Computer Science and Engineering; CGPA: 9.71* Sept 2022 - May 2026
- **Sri Ramakrishna Girls' Matric Higher Secondary School** Perambalur, India  
*HSLC; Percentage: 89%* June 2021 - May 2022
- **Sri Ramakrishna Girls' Matric Higher Secondary School** Perambalur, India  
*SSLC; Percentage: 94%* June 2019 - May 2020

## SKILLS SUMMARY

- **Languages :** Python, SQL, HTML, CSS
- **Frameworks :** Node.js, React.js
- **Tools :** GitHub, GIT, Visual Studio Code, Microsoft Excel, Microsoft Word
- **Platforms :** Web, Windows
- **Soft-Skills :** Continuous Learning, Teamwork, Leadership, Time Management, Problem Solving

## EXPERIENCE

- **Game Development | Event Organizer** 2023  
Planned and successfully executed a workshop focused on game development attracting around 60 participants.
- **Web Development | Event Organizer** 2023  
Successfully organized a workshop on Web Development for over 70 students. Developed the event agenda and secured expert speakers to cover advanced web development concepts.
- **GENERATIVE AI | Event Organizer** 2024  
Conducted a dynamic workshop-cum-competition on Generative AI at the Texus event, inspiring around 60 students to explore and innovate with cutting-edge technology.

## PROJECTS

- **Smart Waste Management System-** AI-powered web app for sustainable waste management, automating waste segregation through image classification. Features predictive analytics, interactive dashboards, and gamified leaderboards, with Web3 integration for transparency and user engagement. (2025)
- **Credit Card Fraud Detection-** Leverages machine learning algorithms to identify fraudulent transactions with 94% accuracy. It analyzes transaction patterns to ensure secure and reliable detection, enhancing financial safety and fraud prevention. (2024)
- **Intelligent SQL Assistant-** Web app that translates natural language into optimized SQL queries using AI-powered NLP models. Built with Python and modern frameworks, it enables intuitive database interaction, query generation, and result visualization, simplifying data access for non-technical users. (2024)

## CERTIFICATIONS

- Python for Data Science, AI & Development | Coursera – IBM** 2024
- Full Stack Software Developer | Coursera – IBM** 2023
- Introduction to Web Development with HTML, CSS & Javascript | Coursera – IBM** 2023