SHREESHA M RAO
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Education

BNM Institute of Technology	**Aug 2022 – Present**
B.E. in Information Science and Engineering	*CGPA: 9.24*
SKCH PU College	**2020 – 2022**
Pre-University	*[PCM] Score: 83%*
APS Public School	**2009 – 2020**
ICSE Board	*Grade 10 Score: 91.3%*

Skills

- **Languages:** Java, C, Python, HTML, CSS, MySQL
- **Tools/Technologies:** Git, UiPath Studio, Blender

Experience

Mindstack Solutions	**Jul 2025 – Present**
AI Intern	*Bangalore, India*

- Developing RAG pipelines with LangChain and open-source LLMs to handle domain-specific queries.
- Working with vector databases like Weaviate and FAISS for document indexing and retrieval.
- Involved in prompt engineering and LLM fine-tuning for enterprise-grade applications.

Projects

AI-Powered Braille Learning Device — **IoT, Python, Arduino ESP32, HTML, CSS**
Developed inclusive AI-powered Braille learning device with tactile feedback, speech, and multilingual support.

Interactive Quiz Game — **HTML, CSS, PHP, MySQL**
Created an interactive quiz platform with subject categories and backend database integration.

Java-based Coding Assistant — **Java,Maven**
Built a smart coding assistant by leveraging Gemini AI

Cricket Database Management — **Python, MySQL**
Built a Python-based system to manage and analyze cricket match and player data.

Gas Leakage Detection System — **IoT, Arduino ESP32**
Designed an IoT solution for real-time gas detection and emergency response with ESP32.

Bank Transaction Management System — **C**
Built a secure C-based console application for bank transaction records.

Smart Healthcare Monitoring — **IoT, Arduino ESP8266**
Developed an IoT-based healthcare solution for remote vitals monitoring.

Certifications & Internships

- Internships: File Structures, Web Tech (BNMIT, Oct-Nov 2023); Cybersecurity (Theta Dynamics, Aug-Sep 2024)
- UiPath: Automation Basics, Studio Workflows, PDF Automation, Email Automation
- Google: GenAI, LLMs, Prompt Design in Vertex AI
- Infosys: Python for Data Science, Network+ Prep
- NPTEL Deep Learning – IIT Ropar
- NPTEL Advanced Distributed Systems – IIT Delhi
- AWS Academy : Cloud Foundations
- Salesforce Trailhead : Salesforce Developer Catalyst - V 3.0

Achievements

- Winner – Code Crunch Hackathon (MathWorks, Apr 2024)
- Winner – Smart India Hackathon (MoE, Dec 2024)
- Finalist – EcoEquify Hackathon (IBM, Jul 2024)
- Participant – CosmoCloud (Oct 2024), Aikyam (Mar 2025), Virtuovation (Apr 2025)