KARTICK SHARMA

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Education

Vellore Institute of Technology, Vellore	*2023 – 2027 (Expected)*
B.Tech in Computer Science and Engineering	
RMK Pathashaala	*2023*
Class XII — 76%	
Velammal Vidhyashram	*2020*
Class X — 86%	

Experience

KuppiSmart Solutions Pvt. Ltd. *Jul 2025 – Sep 2025*
Sales & Marketing Intern
- Developed and executed marketing strategies for the **Livestockify** platform, improving client engagement and identifying growth opportunities.
- Conducted market research and competitor analysis to support business expansion.

KuppiSmart Solutions Pvt. Ltd. *May 2025 – Jul 2025*
Website Developer Intern
- Designed and deployed a responsive corporate website, ensuring cross-device compatibility.
- Implemented new features using **JavaScript/Express.js**, enhancing site performance.

Monolith Technologies Pvt. Ltd. *Jan 2025 – Mar 2025*
Software Development Intern
- Researched **AR/VR technologies**, testing different VR headsets and identifying use cases.
- Authored documentation and presented findings to guide adoption strategies.

Monolith Technologies Pvt. Ltd. *Jun 2024 – Aug 2024*
Research Intern
- Analyzed VR headset components, operating systems, and hardware configurations.

Projects

Arqengine — 3D Architecture Visualization System In Progress

- Designing a platform to generate **2D floor plans** from user input and convert them into **interactive 3D models**.
- Supports **real-time walkthroughs, furniture placement, lighting effects, and spatial analysis**.
- Tech Stack: Blender, Unity, Python, OpenGL.

AI-Powered Disease Prediction Model Sept 2024 – Dec 2024

- Built and trained a model to predict diseases from symptoms, achieving **95% accuracy**.
- Integrated with Flask for **real-time web-based predictions**.
- Evaluated multiple ML algorithms including Decision Trees, Random Forest, and Neural Networks.
- Tech Stack: Python, Flask, Scikit-learn, TensorFlow.

AgriConnect Platform Apr 2024 – May 2024

- Developed a platform providing farmers with **real-time market prices** and agricultural insights.
- Integrated an **AI-powered chatbot** to resolve queries and improve accessibility.
- Added features like **authentication, analytics dashboard, and mobile-first responsive UI**.
- Tech Stack: React.js, React Router, Express.js, Tailwind CSS, MongoDB.

Technical Skills

Programming: C++, Python, Java, JavaScript, MySQL
Web Development: React.js, Node.js, Express.js, Redux, Tailwind CSS
Databases: MySQL, MongoDB
Machine Learning: Scikit-learn, TensorFlow, Pandas, NumPy
Tools: Git, GitHub, VS Code, Jupyter, Godot, Cursor
Soft Skills: Analytical Thinking, Communication, Problem-Solving

Coursework

DSA, OOP, Operating Systems, Computer Networks, Artificial Intelligence, Cloud Architecture, Discrete Math, Probability & Statistics

Achievements & Extracurricular

- Winner — Industry Academia Conclave 24-Hour Hackathon (2025).
- Participant — DevJams '24 (GDSC), Yantra Central Hack (IEEE-CS), CookOff 9.0 (CodeChef).