VENKAT NARAYANAN S

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Work Experience

AI Intern
Petrichor Techlutions, Remote   **Jul 2025 – Present**

- Exploring Playwright for automation and testing workflows.
- Gained hands-on experience with basic machine learning algorithms and their real-world applications.
- Currently building an AI model to validate financial transactions using bank statements and bankbooks, focusing on data preprocessing, model training, and accuracy optimization.
- Collaborating with the team to integrate AI solutions into practical business use cases.

Education

Sri Manakula Vinayagar Engineering College   **2023 - 2027**
Bachelor of Technology (B. Tech) in Information Technology | (CGPA of 8.17)   *Puducherry, India*

Projects

EvaSafe | Python, Computer Vision, Blockchain, PyTorch, LangChain, Hugging Face, ReactJS, NodeJS, Flutter, Flask, MongoDB, JavaScrip

- Built a real-time crime detection system with object tracking, anomaly detection (MIST), and deep learning, improving response time and achieving 87% accuracy with 85% faster evidence retrieval.
- Integrated ChromaDB, and Mistral-Large LLM for frame-to-text conversion, vector search, query processing using NLP, and Blockchain powered tamper-proof evidence storage.

EV ChargePay dApp | React, Next.js, TypeScript, Zustand, Ethers.js, Avalanche

- Developed decentralized Web3 application enabling secure EV charging payments with real-time energy tracking.
- Integrated MetaMask wallet for AVAX token settlements on Avalanche blockchain, eliminating payment intermediaries.
- Built interactive dashboards with live charts and session management using React and Chart.js.
- Designed scalable MVP with automated session controls and production-ready error handling.

Achievements

- **First Place** – *Open Innovation Track*, Hack the Horizon 2.0 Hackathon, VIT Chennai (2025)
- **Finalist** – ICT Academy Hackathon 2025 (Top 100 out of 5000+ teams shortlisted for finals).
- **Participant** - Medvision-AI, an interdisciplinary biomedical and AI event as part of Biospectra'24 by Anna University (CEG).
- **Participant** – *SRM Datathon* (2025), gained exposure to large-scale data analysis and problem-solving under time constraints

Technical Skills

Languages: C, Java, Python
Technologies/Frameworks/Libraries: Machine Learning , Web-Development, Blockchain.