JAYA KISHORE P

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Enthusiastic B.Tech student skilled in C++ programming, object-oriented principles and SQL. Exploring Generative AI and AI Agents to solve real-world problems. A collaborative leader with a passion for delivering innovative and impactful solutions.

SKILLS

Programming Languages :	C, C++, Python, SQL, HTML, CSS
Libraries/Frameworks :	React.js, Express.js, Bootstrap, Langchain, RAG
Developer Tools :	VS Code, Kaggle, Cursor, Vercel, MongoDB, Lightship, Unity, HuggingFace
Technologies :	MERN Stack, Augmented Reality, Machine Learning, Deep Learning, NLP

PROJECTS

Mind Heaven : Designed and implemented a mental health support platform using the MERN stack, featuring blogs and resources to raise awareness. Developed interactive self-assessment quizzes with tailored insights to help users understand mental health concerns. Engineered real-time chatrooms for users to connect and engage with others facing similar mental health challenges.

AI Psychiatrist : Developed a multilingual AI-powered psychiatrist chatbot with voice interaction in four languages using a fine-tuned LLaMA model with LoRA. Integrated Google Cloud Speech-to-Text and Text-to-Speech for seamless voice processing and Google Translate API for multilingual support. Implemented sentiment analysis with BERT model and enhanced response accuracy using a multi-database RAG system with ChromaDB.

Multi Label Image Classification with AGCN : Developed an advanced multi-label image classification model combining AGCN and ResNet CNN for handling complex image dataset.Integrated Grad-CAM for explainable AI (XAI) visualizations, enhancing interpretability of predictions. Evaluated model performance with F1 score, precision, and recall metrics.Evaluated the model on a test dataset to confirm its real-world performance.

Metaverse Mirror : Collaborated with the AR Development team to build a real world metaverse using 3D scans.Developed and Integrated augmented reality features to enhance user interaction. Utilized 3D modelling and scanning technologies to create immersive virtual environments. Incorporated geospatial mapping and GPS integration to enable location-based AR experiences for users.

EDUCATION

B.Tech in CSE with Specialization in AI & ML, Vellore Institute of Technology	2021 - 2025
CGPA : 8.61	
XII , Velammal Vidhyashram	2020 - 2021
Percentage : 88	
X , Velammal Vidhyashram	2018 - 2019
Percentage : 92	

EXTRA-CURRICULAR ACTIVITIES

- Collaborated as a member of the Bulls and Bears Club, to share knowledge about investing through workshops and discussions, helping students understand the importance of smart financial decisions and the benefits of investing.

- Successfully captained the Under-17 Zirakpur district cricket team in the Chandigarh inter-district competition for two consecutive years, leading the team to a runner-up finish and reaching the quarter-finals in another season.