KRISHNARAJ K

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EXPERIENCE

AI Internship   **July** 2025 - December 2025
Edu versity   *India*

- Worked in the development of a **personalized learning recommender system** using **hybrid ML models (collaborative filtering + content-based filtering)**, achieving **25% higher learning engagement** across A/B testing

Front End Developer Intern   July 2024 - August 2024
DLK Technologies   *India*

- Contributed to **real-world UI development**, improving **page load speed by 30%** and enhancing **mobile responsiveness** for client projects.

PROJECTS

Personalized Learning Chatbot (RAG-based)
Built a Mistral 7B + RAG chatbot with 35% improved reliability over vanilla LLMs, added 85% accurate emotion detection, and deployed with HTML, CSS, JS + caching for low-network environments.

AI-Powered Medical Diagnostic Platform
Developed a disease detection system using CNN + U-Net with 92–95% accuracy across multiple diseases, secured reports using and deployed via a web interface.

Quantum-Resilient Blockchain
Implemented a quantum-safe blockchain using Post-Quantum Cryptography and AI-based anomaly detection, achieving 40% stronger security and scalability with 10,000+ transactions.

SKILLS

Technical Skills

Languages: Python , Java , ReactJS , HTML , CSS , Javascript

Technologies: Tenserflow/keras , CNN ,GNN , Langchain , RAG , Flask , FastAPI

Others: SQL , VectorDB , Git , Windows , AWS , VSCode

EDUCATION

B.tech Artificial Intelligence and Machine Learning , St.Joseph's College of Engineering   Expected   2027
Current CGPA:8.32(Autonomous)

ACHIEVEMENTS

- Won the intra-college **IMPACTATHON** and secured 3rd position among 132 teams

- Won the inter-college **INNOFEST-25** and secured 1st rank among 110 teams

- Won the intra-college **SYMPOSIUM at TJS COLLEGE OF ENGINEERING** and secured 1st rank among 80 teams

- Won the intra-college **SYMPOSIUM at JAYA ENGINEERING COLLEGE** and secured 1st rank among 59 teams

- Secured a position in the top 11 out of 250+ teams in **GENTERIX**

CERTIFICATIONS

- Oracle Cloud Infrastructure 2025 Generative AI professional

- NPTEL: Google Cloud Computing(Elite) , Cloud Computing and Distributed Systems(Elite)

- Udemy Machine learning with Python and R & ChatGPT bonus 2024