

RAM KRIPALU NEELMANI

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Education

Vellore Institute of Technology <i>B.Tech in Computer Science & Engineering with Artificial Intelligence & Machine Learning</i>	2021 – 2025 8.87/10 CGPA
M.G Convent School <i>Higher Secondary Certificate</i>	2019 – 2021 9.4 CGPA
Delhi Public School <i>Secondary School Certificate</i>	2018 – 2019 9.58 CGPA

Work Experience

Artificial Intelligence Intern <i>Intrain Tech</i>	Jan 2024 – Mar 2024 Link
<ul style="list-style-type: none">Developed real-time AI/ML solutions using Python, Flask, and Streamlit, achieving a 42% time saving.Visualized results using matplotlib and seaborn, presenting actionable insights to the team, with data preprocessing, feature engineering and model optimization with accuracy of 84%.	
LLM Trainer <i>Outlier</i>	Oct 2024 – Dec 2024 <i>remote</i>
<ul style="list-style-type: none">Fine-tuned large language models (LLMs) for domain-specific tasks, enhancing performance metrics by 28%.Collaborated on prompt engineering strategies, improving model response accuracy and relevance.	

Projects

Interactive Question Answering Model using NLP	Paper
<ul style="list-style-type: none">Analyzed Deep Learning models (BiLSTMs, BERT, DistilBERT, BiDAF) on SQuAD to achieve 91.34% accuracy.Optimized models using ensemble learning techniques for enhanced performance.	
Enhancing RL Poker using Deep Reinforcement Learning Techniques	Details
<ul style="list-style-type: none">Integrated RL algorithms (SARSA, Q-Learning, DQN variants) to develop an advanced poker-playing system.Leveraged ensemble methods to optimize agent adaptability in multi-agent environments.	
CareConnect Healthcare Chatbot using RAG and LLMs	Details
<ul style="list-style-type: none">Developed a chatbot leveraging RAG with FAISS and GPT-Neo for efficient query resolution.Deployed via Docker on Runpod using Chainlit for streamlined scalability.	

Technical Skills

- **Languages:** Python, Java, C++, SQL, HTML, CSS, JavaScript, REACT
- **Technologies and Frameworks:** LLMs , RAGs, Transformers
- **ML Models:** Regressions, Random Trees, SVMs, KNNs, Naive Bayes, PCA, K means clustering
- **Frontend:** Flask, Streamlit, Chainlit
- **Cloud & Databases:** AWS, Google Cloud, MySQL
- **Developer Tools:** VS Code, GitHub

Certifications

Cloud Digital Leader	Feb 2024
AWS Cloud Practitioner Foundation	Jan 2024
Google AI for JavaScript Developers	Jun 2024

Achievements

- Published paper on [Question Answering Models](#) in IJMDES.
- Earned the **Data Analysis with Python** certification from freeCodeCamp, highlighting advanced proficiency in Python-based data manipulation and analysis.