

KARAN JADHAV

Aspiring Software Engineer

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SUMMARY

Aspiring Computer Science Engineer with a strong interest in machine learning, deep learning, neural networks, natural language processing, computer vision, and data analysis. Currently pursuing a degree in Computer Science and Engineering at PES University, with a passion for applying academic knowledge to solve real-world challenges. Actively seeking internships or entry-level roles where I can contribute to innovative projects and continue developing my skills in a hands-on environment

EDUCATION

2007 - 2020 Bangalore, KA, India	● Delhi Public School - Bangalore South Secondary Education (10th)	92%
2020 - 2022 Bangalore, KA, India	● Deeksha Centre For Learning (DCFL) Higher Secondary Education 12th)	95%
2022 - 2026 Bangalore, KA, India	● PES University B.Tech. Computer Science	9.03

LANGUAGES

English Advanced	●●●●●	Hindi Proficient	●●●●●	Kannada Proficient	●●●●●
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SKILLS

Coding	Python	C/C++	Go	Java						
Web Dev	HTML/CSS	MERN	JavaScript	MongoDB	SQL	ReactJS				
Artificial Intelligence	ML	Deep Learning	Numpy	Pandas	Scikit-learn	NLP	OpenCV	LangChain	RAG	GenAI
	Selenium	LangGraph	CrewAI							
Others	Arduino									
Soft Skills	Research	Teamwork	Communication	Problem Solving	Time Management	Adaptability				

KEY ACHIEVEMENTS/ SCHOLARSHIPS

🏆 **2x MRD Scholarship**
Achieved top 20% of the Department, qualifying for scholarships

🏆 **3x CNR Scholarship**
Achieved top 20% of the Department, qualifying for scholarships

EXPERIENCE


June - Aug 2024 Bengaluru, KA	● Artificial Intelligence Research Intern Center for Information Security, Forensics and Cyber Resilience Conducted research on adversarial attacks targeting LLMs
Oct 2023 - July 2024 Bengaluru, KA	● Marketing Team Embrione Marketing team

COURSES

- **Machine Learning Specialization (Stanford University, DeepLearning.AI)**
 1. Supervised Machine Learning
 2. Advanced Learning Algorithms
 3. Unsupervised Learning
- **Python for Computer Vision with OpenCV and Deep Learning (Udemy)**
- **NLP with Generative AI (PESU IO)**

PROJECTS

Dog Supplies E-commerce Web Application

 Oct - Nov 2023

Full-stack web application development for pet supplies, using React, HTML, CSS, MongoDB (MERN Stack)


Attack on LLMs Survey

 June - Aug 2024

Research project focusing on vulnerabilities in large language models.

Conducted a comprehensive survey of various attacks on LLMs, including running and evaluating their corresponding code implementations


RAG for Contextual Question Answering, Summarisation

 April 2024

Building context-aware question-answering systems

Developed a system using LangChain, ChromaDB, and OpenAI embeddings, optimizing retrieval across various document formats

Criminal Database Management Application

 Oct - Nov 2024

Developed a Crime Data Management System leveraging React, Node.js, MySQL, and RESTful APIs to streamline crime reporting, evidence tracking, and investigation management using database design and server-side scripting techniques.

Intelligent Disaster Response Agent ([Link](#))

 March - April 2025

Created an AI-driven system designed to facilitate real-time disaster detection, decision-making, and resource allocation. It integrates advanced models (TinyLlama/TinyLlama-1.1B-Chat-v1.0 or Llama 3.1 8B instruct) , social media analysis (Selenium, Tavily), and multilingual chatbot support to enhance emergency response and communication during crises system (Advanced RAG)