

HEMANK KUMAR

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EDUCATION

Bachelors of Technology, 2028 Batch, Manipal University Jaipur, Jaipur, Rajasthan, India.	CGPA: 9.61
Senior Secondary (Class XII), 2024 Batch, City Montessori School, Lucknow, Uttar Pradesh, India.	Grade: 91.25%
Secondary (Class X), 2022 Batch, St Francis College, Lucknow, Uttar Pradesh, India.	Grade: 82%

SKILLS

Languages	Python, C, C++, Java, HTML5, CSS3, JavaScript
Frameworks	Flask, FastAPI, TensorFlow, Streamlit, LangChain, ReactJS
Libraries:	NumPy, Pandas, Matplotlib, Seaborn, Scikit-learn, Hugging Face
AI/ML Skills:	ANN, CNN, YOLO, RNN, LLMs, RAG, Llama, Generative AI.
Tools:	Git, VS Code, Streamlit, AWS, Render, Jupyter, Collab

LEADERSHIP AND ACHIEVEMENTS

Head of Technical Projects IEEE Computer Society, Manipal University Jaipur	May 2025 – Present
<ul style="list-style-type: none">Lead the planning and execution of technical projects and events within the IEEE Computer Society chapterOrganized and hosted 2 flagship events, attracting a combined audience of over 1,000 attendees, driving technical engagement across the campus.	
3rd Place – Hackerzstreet Hackathon	
<ul style="list-style-type: none">Directed machine learning development and deployed a Streamlit web app to predict crop water needs and recommend sustainable crops based on weather and user inputHelped team secure top-3 position out of 500+ teams, showcasing practical AI application for water conservation	

PROJECTS

Medical Report De-Jargonizer & Visualizer Full-Stack AI Healthcare Platform	Github
<ul style="list-style-type: none">Engineering a web platform that uses OCR (Tesseract) to extract lab report data and convert medical jargon into layman-friendly explanations using LLaMA 3.2 LLMsVisualized health trends for 10+ key biomarkers (e.g., Hemoglobin, WBC) via Plotly and implemented health forecasting using LSTM modelsBuilt with React + Tailwind, FastAPI, and Supabase, enhanced patient health literacy and report comprehension by an estimated 2× compared to raw lab reports.	
Transformer From Scratch	Github
<ul style="list-style-type: none">Implemented a decoder-only Transformer (~661K parameters) from scratch using Python and TensorFlow, without high-level abstractionsCreated a custom tokenizer, multi-head self-attention, and full inference pipeline.Trained on 4,000+ SQuAD QA pairs using a custom tokenizer, attention mechanism, and complete inference pipeline	

Full Stack Resume Grader

[Github](#)

- Launched and developed a full-stack web app that automates **resume parsing, confidence scoring, and interview question generation** using **LangChain + LLMs**, improving screening speed by an estimated **60%**
- Integrated features for **automated job posting, resume filtering, and smart candidate evaluation**, reducing manual HR workload by **50%+** in pilot use cases
- Built with React, FastAPI, and Supabase, supporting scalable candidate processing.

CERTIFICATIONS

- Machine Learning by Andrew Ng – Coursera
- Machine Learning Bootcamp – Codebasics
- Deep Learning Specialization – DeepLearning.AI