

NISHIT KUMAR

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Education

National Institute of Technology Karnataka, Surathkal

Mangaluru, India

Bachelor of Technology | CGPA: 8.45 (As of 6th Semester)

2023 – 2027

Satyam International School

Patna, India

High School | Percentage: 90.2%

2022

New Era High School

Patna, India

Matriculation | Percentage: 87.8%

2020

Technical Skills

Languages: C++, Python, SQL

Tools: Git, GitHub, Streamlit, VS Code

Libraries: NumPy, Pandas, Scikit-learn, TensorFlow, Keras, Matplotlib, Seaborn

Concepts: Machine Learning, Deep Learning, NLP, Generative AI, LLMs, Statistical Modeling, Hypothesis Testing, A/B Testing, EDA, Feature Engineering, Text Embeddings, Semantic Search, RAG

GenAI & Agentic: LangChain, LangGraph, FAISS, Hugging Face Transformers, ChromaDB, SentenceTransformers, Pydantic, Groq API

Coursework

- Data Structures & Algorithms
- Machine Learning
- Deep Learning
- SQL
- Object Oriented Programming
- Generative AI
- Statistics & Probability
- DBMS
- Agentic AI

Projects

Smart Shopping Agent | Check out my project on [GitHub](#)

June 2026

- **Tech Stack:** Python, LangGraph, LangChain, Streamlit, Groq (Llama 3.3 70B), SerpAPI, Pydantic
- Built a **LangGraph-based 7-node multi-agent pipeline** using **Groq/Llama 3.3 70B** orchestrating specialized agents (Message Classifier, Intent Detector, Query Parser, Deal Validator, Price Auditor, Synthesizer) for end-to-end shopping automation.
- Engineered **multi-turn conversation memory** with LLM-generated category-specific clarification questions, enabling context-aware follow-up answers without re-triggering the search pipeline.
- Implemented **structured Pydantic schemas** in synthesis nodes ensuring hallucination-proof output — prices always sourced from live **SerpAPI Google Shopping** data with LLM restricted to qualitative reasoning only.
- Built a **fake discount detection** agent and **confidence scoring system** (0–100) for product-fit evaluation; deployed interactive **Streamlit UI** with real-time token streaming, product image cards, and per-conversation decision logging.

HireMind: Multi-Agent Recruitment System | Check out my project on [GitHub](#)

April 2026

- **Tech Stack:** Python, LangGraph, LangChain, Streamlit, ChromaDB, SentenceTransformers, LLMs (Groq/Gemini), Pydantic, FPDF, Git/GitHub
- Built a **LangGraph-based** multi-agent recruitment pipeline orchestrating 4 specialized LLM agents (JD Parser, Resume Screener, Candidate Matcher, Interview Generator) using **Groq/Gemini** to automate end-to-end hiring workflows.
- Engineered semantic candidate ranking using **SentenceTransformers** and cosine similarity with **ChromaDB** vector storage, enabling context-aware matching and persistent cross-session talent pool retrieval.
- Built an interactive **Streamlit dashboard** with real-time candidate scoring, dynamic filtering, and automated **PDF report generation** for HR teams.

Extracurricular & Achievements

- **Marketing Executive, Incident – NITK:** Led outreach efforts to 10+ potential sponsors, crafted sponsorship proposals, and collaborated with the marketing team to strengthen industry engagement for the fest.
- **Web Developer, HESC:** Developed and maintained the club's official website, enhancing digital engagement and serving a community of **500+ members**.
- **Academic Achievement:** Top 3% in JEE Adv/Mains (1M+ candidates)
- **Data Structures & Algorithms:** Solved **400+** coding problems across LeetCode and GeeksforGeeks, strengthening problem-solving and algorithmic thinking skills.