NAVEEN KUMAR YADAV

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Education

Sir MVIT, Bengaluru   Dec. 2022 – Jun. 2026

Bachelor of Engineering in Computer Science and Engineering (IoT and Cybersecurity   *CGPA: 8.5*
with Blockchain Technology)

Projects

Enterprise RAG & Agentic Search Platform *(GitHub) | Python, FastAPI, LLMs*
- Built an enterprise-grade RAG system supporting both fast retrieval and agentic multi-step reasoning.
- Designed an intent-aware agentic pipeline with query planning, tool invocation, and evidence extraction.
- Implemented a custom in-memory vector store using cosine similarity for low-latency document retrieval.
- Delivered transparent AI responses with source attribution and confidence scoring for enterprise queries.

Autonomous AI Revenue Intelligence & Deal Execution Platform *(GitHub) | Python, Streamlit, AI*
- Built an AI-powered revenue intelligence dashboard analyzing real CRM data from user-uploaded CSVs.
- Implemented deal risk scoring and pipeline KPIs to support data-driven sales decisions.
- Designed an AI action layer generating sales strategies, email drafts, and pricing guidance.
- Ensured system reliability through graceful degradation when LLM access is unavailable.

Autonomous AI Business Operations Manager *(GitHub) | FastAPI, React, AI Agents*
- Designed a multi-agent AI system with separate analysis, risk, decision, and execution agents.
- Built a full-stack platform using FastAPI and React with real-time dashboards and reports.
- Integrated LLM-based decision-making into automated operational workflows.
- Developed a cloud-ready architecture with environment-based configuration for scalable deployment.

Technical Skills

Languages: Python, C, C++.
Backend & Web: FastAPI, REST APIs, React (basics), Streamlit.
AI / ML: Machine Learning, Deep Learning (CNN), LLM-based Systems, Retrieval-Augmented Generation (RAG), Agentic AI.
Data & ML Libraries: NumPy, Pandas, scikit-learn, TensorFlow, Keras, OpenCV.
Databases: MongoDB (basics), Vector Databases (conceptual).
Developer Tools: Git, GitHub, VS Code, Jupyter Notebook, Google Colab.
Core Concepts: Data Structures & Algorithms, System Design (Basics), API Design, Model Evaluation.

Certifications

- Generative AI, LLM and RAG – Skill Up (GeeksforGeeks).
- Agentic AI – Skill Up (GeeksforGeeks).
- AI Tools – Skill Up (GeeksforGeeks).
- Machine Learning Introduction for Everyone – IBM (Coursera).
- Cybersecurity Analyst Job Simulation – TCS (Forage).

Achievements

- Solved 200+ Data Structures and Algorithms problems across LeetCode and GeeksforGeeks, demonstrating strong problem-solving and algorithmic thinking skills.
- Secured a Top 64 position out of 2000+ teams in a 24-hour national-level hackathon organized by MNIT Jaipur, contributing to rapid prototyping and solution development.
- Built and scaled a YouTube channel to 1.2K+ subscribers and 20K+ monthly views, showcasing consistency, audience growth, and communication skills.
- Applied video editing, poster creation, and graphic design skills to support content creation and visual communication for digital platforms.
- Completed Combined Annual Training Camp (CATC-III / Pre-IGC-III) as an NCC Cadet, demonstrating leadership, discipline, teamwork, and time management skills.