

SASHI PRITAM MANANDI ANAND

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Linkedin — Portfolio

Career Objective

Aspiring AI and Data Analytics professional with hands-on experience in Generative AI, Retrieval-Augmented Generation (RAG), and full-stack development. Skilled in building scalable AI-driven applications and contributing to cutting-edge research. Seeking opportunities to apply advanced technical expertise to solve real-world challenges.

Technical Skills

Languages: Python, Java, C, SQL

Frameworks: FastAPI, Next.js, React, Tailwind CSS, Flutter

Technologies: LLMs, Neo4j, MongoDB, Pandas, AI/ML pipelines

Concepts: OOPS, DBMS, Data Structures, REST APIs

Tools: VS Code, Jupyter, Google Colab, MS Office, Android Studio, Canva

Work Experience

NTT DATA

May 2025 – Aug 2025

Research and Developer Intern

- Designed and implemented a hybrid Graph-Based Retrieval-Augmented Generation (RAG) platform, integrating Neo4j, semantic search, and LLMs to improve enterprise knowledge management.
- Automated extraction of entities and relationships from unstructured documents, enabling multi-hop reasoning and dynamic knowledge graph visualization.
- Developed an AI-driven Stock Market Assistant using Llama3 and yFinance, enhancing user engagement with real-time analytics, alerts, and personalized investment guidance.
- Built a Prompt-to-API Generator leveraging FLAN-T5 and FastAPI, reducing backend development time by automating production-ready API code generation.

Intel

Dec 2024 – Feb 2025

Project Intern

- Evaluated pre-built RAG pipelines on academic PDFs, analyzing retrieval accuracy and LLM response quality.
- Contributed to UI/UX improvements for document search workflows.

Corizo

Aug 2024 – Oct 2024

Generative AI Specialist Intern

- Developed and optimized AI models to enhance user interaction and system performance across multiple applications.

Key Projects

- Pharma Supply Chain System:** Blockchain-enabled system for secure and transparent medicine distribution.
- Smart Backpack:** IoT + RFID solution integrated with a Flutter app for real-time inventory tracking.
- Intrusion Detection Hybrid:** AI-powered IDS combining supervised and unsupervised models for enhanced accuracy.
- Email Phishing Detection:** AI-driven security system with real-time threat detection and response.
- Spotify Song Genre Prediction:** Applied ML models to classify songs by genre using audio feature data.

Education

B.Tech in Information Technology (Minor: Data Analytics)

2022 – 2026

Manipal Institute of Technology, MAHE Bengaluru

Publications

- Co-authored a chapter on *Cybersecurity Challenges in Military Applications*.
- Presented papers at international conferences on phishing detection, IoT cryptography, and traffic analysis.
- Presented a poster on IoT device security using hybrid cryptographic schemes at IndoSys, MIT-Bengaluru.

Certifications

IBM: Python for Data Science, AI & Development — Introduction to Cloud Computing — Software Engineering
Google: Computer Networking (The Bits and Bytes)
Illinois Tech: Computer and Peripheral Hardware
LearnQuest: Object-Oriented Hierarchies in Java

Leadership & Responsibilities

- Vice President, Tech Fest 2025 – Directed planning and execution of institute's largest technical festival.
- General Secretary, ACM Chapter – Spearheaded technical initiatives and student engagement.
- Vice Chair, MBOSC – Assisted in organizing and managing club operations, events, and member coordination.
- Media Head, NSS – Led media campaigns and event coverage for community service programs.
- Editor-in-Chief, Avalokana – Managed editorial team for the official campus magazine.

Hackathons

- **Winner – HackNova 2024 (Schneider Electric):** Developed a smart energy management solution using IoT sensors and real-time analytics for optimized power consumption and automated fault detection.
- **Participant – HackNite (CodeBasis):** Built a collaborative code-sharing platform with live editing and integrated issue tracking to streamline remote teamwork.
- **Participant – HackSky (Kaspersky):** Designed a cybersecurity dashboard leveraging ML for intrusion detection and real-time threat visualization in enterprise networks.