Varnana Rajeev

Gen-AI Developer | Automation Enthusiast

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WORK EXPERIENCE

Talrop   Kochi, Kerala
Gen-AI Developer Intern   *April 2023 – Present*

- Architected a scalable **multimodal content moderation system** utilizing **Mistral** and **Meta Vision**, reducing manual moderation workload by **40%**.
- Implemented **asynchronous task scheduling** using **Celery** to handle high-volume reporting queues, optimizing system throughput and preventing timeouts under load.
- Engineered automated data pipelines using **N8N** and parsing unstructured inputs into **PostgreSQL** with **95% accuracy**, significantly reducing data entry overhead.

TECHNICAL PROJECTS

AI-Based Content Moderation System | *Python, Mistral, Celery, Meta Vision*

- Developed a scalable reporting system combining **Mistral LLM** for text and **Meta Vision** for image analysis.
- Integrated **confidence scoring logic** to automatically flag high-risk content for urgent review.

WhatsApp Expense Tracker | *N8N, Azure OpenAI, PostgreSQL*

- Collaborated with a startup team to architect a WhatsApp-based expense tracking bot, translating their business requirements into automated **N8N workflows**.
- Parsed natural language messages from WhatsApp into structured SQL data for real-time dashboard analytics, replacing manual data entry.
- Enabled real-time spending analytics without requiring a dedicated mobile app UI.

Intelligent Document Analysis Tool | *Python, LangChain, FAISS*

- Built a RAG-based application allowing users to query PDF documents using natural language.
- Utilized **FAISS vector embeddings** for precise semantic search, enabling accurate retrieval of technical information.

TECHNICAL SKILLS

Languages: Python, SQL, PHP, Java
Generative AI: LangChain, RAG, NLP, Hugging Face, Google GenAI, Azure OpenAI, Prompt Engineering, FAISS
Automation & Tools: N8N, Celery, Selenium, Beautiful Soup, Git, GitHub, GitLab
Web Frameworks: Flask, Streamlit, Django, PostgreSQL, SQLite

EDUCATION

Bharata Mata College of Arts and Science   Aluva, Kerala
Bachelor of Computer Applications (BCA)   *2023 – 2026*

ACHIEVEMENTS

Campus Winner, Tink-Her-Hack 3.0: Achieved 1st place at the college level in Kerala's largest women's hackathon.
Finalist, Make-A-Ton 7.0: Top 200 of 7000+ participants at CUSAT hackathon.
Volunteer: Event coordination for Google for Startups & Google AI Day 2025.