Rishabh Kumar

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Education

VIT Bhopal University, B-Tech in Computer Science — Sept 2022 – Sept 2026
- CGPA: 8.25/10.0

Experience

AI Research Intern, Planto.ai — Feb 2025 – April 2025
- Researched integration of Codium Copilot across 4 client environments to evaluate AI-assisted coding performance and ROI.
- Conducted comparative analysis of LLM productivity tools, providing data-backed adoption strategies.
- Delivered 8+ technical presentations simplifying complex findings.
- Collaborated with a 10-member research team, improving workflow efficiency by 20% through process automation and documentation alignment.

Projects

RepoChat (Ongoing) | Python, OpenAI API, LangChain — (GitHub)
- Engineered a RAG-based conversational AI that enables users to query entire code repositories, providing detailed explanations of file functionality and code logic.
- Processed 100+ repositories by building a document ingestion pipeline with ChromaDB + Sentence Transformers for efficient vector storage and semantic search.
- Implemented contextual memory and session management, improving answer relevance by 35% through maintained conversation history.

OpenRouter CLI | Python, OpenRouter API — (GitHub)
- Developed a feature-rich CLI chatbot supporting 5+ AI models (GPT-4, Claude, Llama) through OpenRouter API with session management and file attachment capabilities.
- Engineered 10+ command-line flags for model selection, verbose output, file uploads, and persistent conversation history across sessions.
- Implemented comprehensive error handling for API failures, rate limits, and invalid inputs.

AI WebScrapper | Python, Ollama, Proxy Rotation(Bright Data) — (GitHub)
- Built an AI-powered web scraper using Selenium with Chromium and Bright Data proxy rotation to bypass anti-bot measures and CAPTCHAs on 95% of target websites.
- Integrated Ollama LLM for intelligent content parsing, semantic analysis, and structured data transformation, achieving 98% data extraction accuracy.
- Automated 70% of manual data collection workflows, reducing processing time from hours to minutes while maintaining data quality.

Technical Skills

Languages: Java, Python, SQL

Technologies: Generative AI, LLMs, RAG, Prompt Engineering, FastAPI, Tableau

Achievements & Extra Curricular Activities

- Top 500 — HackOnBlocks Web3 Hackathon.
- Led a team of 10 during the internship.