Aayushmaan Garg

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Education

Maharaja Surajmal Institute of Technology, GGSIPU *Sept 2021 – June 2025*
B.Tech in Electronics and Comm. Eng w/Specialization in AI
- GPA: 3.6/4.0 [Percentage: 90.01]

Experience

Agentic AI Automation Intern *Noida, UP, India*
Opkey, SSTS *Aug 2023 – Oct 2024*
- Designed LLM-driven automation for software testing, generating 20K+ data rows and training 18+ models.
- Developed a Search Optimization algorithm with 98% accuracy and ~0.5s response time for real-time similarity search.
- Built NLP pipelines using NLTK for real-time prompt processing and task prediction from user activity.
- Researched and deployed RAG-based LLMs, Agentic Networks and Multi-Agent AI using open-source (LLaMA , Mistral) and proprietary models (GPT-3.5 Turbo, GPT-4o).
- Fast Prototyping AI Agentic Systems using Dify.ai, LM Studio and Ollama to run LLMs locally.

Projects

PsyFer - Integrating LLMs in Graphology *PsyFer Website* ↗
- Compiled over 50 high quality data sources for Handwriting and Psychological analysis.
- ReACT based system on Mistral 7B model. Context based Learning system.
- Built for scalability to more data.
- Real-Time Report Generation for Personality Assessment
- Stack: Python (Flask), Mistral AI

SmartHub – Multi-URL doc intelligence powered by LLMs. *Server Decommissioned* ↗
- Developed SmartAgent, an AI-powered documentation chat system handling 100+ URLs simultaneously, using FastAPI and Qdrant.
- Built advanced NLP pipelines with Sentence Transformers, Mistral, and NLTK, processing prompts with real-time context-aware responses.
- Optimized web scraping workflows, extracting 500K+ data points across dynamic documentation using BeautifulSoup.
- Integrated Google Safe Browsing API, enhancing system security by performing real-time URL safety checks across user inputs.

Scaffold - Golang based CLI *GitHub* ↗
- Designed and implemented a lightweight CLI tool to rapidly scaffold industry-standard project structures for popular frameworks like Flask and Gin, reducing project initialization time by up to 70%.
- Enabled developers to preview and select predefined templates, ensuring consistent and organized codebases while minimizing boilerplate creation.
- Tools Used: Golang (Built without Cobra)

Technologies and Skills

Languages: Python, GOlang, SQL, Web Frameworks (Flask, Fast, Django, Gin)
Skills: NLP Sematic Searching, Vector Embeddings, LLM Integration and Automation using AI Agents, Fine-Tuning LLMs, Cluster Anomaly and Regression Modeling
Certifications: IBM Data Science Professional Certification, IBM AI Engineering Certification, Japanese Language Proficiency N5