

Aayushmaan Garg

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[GFG](#)

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Skills

Python, Golang, Web Based Frameworks (Flask, Fast, Starlette, Django, Gin), NLP Semantic Searching, Vector Embeddings, LLM Integration and Automation using AI Agents, Fine Tuning LLMs. Language Skills: Hindi, English, Punjabi, Japanese.

Work Experience

Internship at SSTs (DBA: Opkey) | Aug 2023 – Oct 2024

- Engineered 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).

Education

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|------------------|-----------|----------------------------|---------|
| B.TECH(ECE) | 2021-2025 | MSIT, GGSIPU, New Delhi | 90.02 % |
| CBSE (Class XII) | 2021 | JKPS, Shalimar Bagh, Delhi | 94.8 % |
| CBSE (Class X) | 2019 | JKPS, Shalimar Bagh, Delhi | 94 % |

Academic Projects

Integrating LLMs in Graphology for personality analysis using Handwriting | [ClickHere](#)

- Stack: Python (Flask), Mistral AI
- 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.

SmartHub – Multi-URL doc intelligence powered by LLMs. | [ClickHere](#) (Server cold start might take time)

- 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.

Arduino/Ultrasonic Sensor based Goggles for Vision Impairment

- Used Arduino Microcontroller and Ultrasonic Sensor to detect objects.
- Made a practical prototype for people who have vision impairment.

- Variable Distance sensing up to 10 meters.

Achievements and Awards

Data Science Professional Certification.

5 star rating at HackerRank in Python, SQL.

Participated in AVISHKAR Robotics Competition.

All India Mathematics Olympiad Silver Medallist, Techfest IIT Bombay.

Magazine Editor, Jaspal Kaur public School(2019-2021)

Participated in ONDC Hack2Skill Hackathon (Catalogue Indexing and Catalogue Search Engine Optimization)