

VINAY AGGARWAL

vinayaggarwal271@gmail.com • +91 8826986127 • www.linkedin.com/in/vinay-aggarwal1

PROFILE

Aspiring Artificial Intelligence and Data Science student with a strong foundation in programming and data analysis. Seeking opportunities to apply my skills in real-world projects and internships to further develop my expertise and contribute to innovative solutions.

EDUCATION

GGSIU-Vivekananda Institute of Professional Studies, Bachelor of Technology (B.Tech) 2022 — 2026
[Artificial Intelligence and Data Science]

- SEM 1: GPA 7.800 | SEM 2: GPA 7.080 | SEM 3: GPA 8.519 | SEM 4: GPA 8.320
- Relevant Courses: Programming in C, Web Programming, Principles of AI, Foundations of Data Science, Data Structures, Probability & Statistics, Machine Learning, DBMS, Software Engineering, Java, Computer Networks

St. Margaret Sr. Sec. School

- 10th Standard: 85.4% (CBSE) | 12th Standard: 84.4% (CBSE)

SKILLS AND STRENGTHS

- **RAG:** llama3.1, mixtral, Hugging Face, GROQ
- **Programming:** Python
- **Libraries:** OpenCv, Langchain, sentence_transformers, Pandas, NumPy, Matplotlib, Seaborn, Streamlit

EXPERIENCE

Motherson Group

45 Days Onsite Internship

- Worked on projects in RAG, web development, and machine learning, gaining hands-on experience in AI-based solutions.
- Collaborated with different teams to design and develop innovative solutions, enhancing skills in both frontend and backend technologies.

PROJECTS

WhatsApp Analyzer

- Analyzed WhatsApp group chats using data analysis and NLP, contributing to research on forensic analysis.

RAG System with Multi-File Integration

- Developed a RAG model to process various URLs and file formats (PDF, Word, TXT) and answer queries using LLMs.

Real-Time Barcode Detection

- Built a system for decoding multiple barcodes and QR Codes in real-time, useful for inventory management and retail.

Motherson Closed AI System – UI/UX

- Designed the user interface for the Motherson Closed AI system.

Multilingual IT Chatbot

- Developed a Flask-based IT chatbot using sentence transformer to assist users in multiple languages.

PUBLICATION

- Vij, S., Agarwal, V., Aggarwal, V., & Goyal, V. WhatsApp Forensic Analysis for Group Chats using Exploratory Data Analysis and NLP