

Nikhil

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EDUCATION

Chandigarh Group Of Colleges, Landran

2022-2026

Bachelor Of Technology in Artificial Intelligence & Data Science

Landran, Punjab

G.M.S.S.S. Sector- 33D, Chandigarh

2018-2020

Intermediate(CBSE)

Chandigarh

D.A.V. Public Sr. Sec. School

2018

Matriculation(CBSE)

Parwanoo

EXPERIENCE

AI RAG Chatbot – Research & Knowledge Retrieval

- Tech Stack: Python, React.js, HTML, CSS, FastAPI, Flask
- Responsibilities:
 - Built a RAG chatbot for fact-based responses from verified documents.
 - Implemented document ingestion, chunking, embeddings, and vector search.
 - Tuned retrieval logic to improve relevance and reduce errors.
 - Extracted, validated, and summarized insights from unstructured data sources

Real-Time Emotion Detection System

- Tech Stack: Python, Computer Vision, Feature extraction, Model inference, Real-time pipeline
- Responsibilities:
 - Implemented real-time facial emotion analysis using structured classification logic.
 - Ensured consistent labeling and validation under real-world conditions.
 - Strengthened experience in continuous data monitoring and interpretation.

TRAINING

Python Technology

SpringBoard, Chandigarh

Duration: 45 Days (Summer 2024)

- Built basic Web apps focused on Frontend and Backend functionality using Python.
- Worked with MongoDB for data storage.

SKILLS & INTERESTS

- **Technologies:** C/C++, Python, R, JavaScript, REST APIs, HTML, CSS, MongoDB, SQL, Git, GitHub, Visual Studio Code, MS Excel, MS Word, MS PowerPoint, MS Power BI
- **Other:** OOPs, DBMS, DSA
- **Interests:** Reading, Coding
- **Interpersonal Skills:** Management & Coordination

ACHIEVEMENTS

- Participant (College Level) in Smart India Hackathon (SIH), showcasing problem-solving and teamwork skills.
- Secured 3rd position in National Science Day 2k23.
- Secured 1st position in National Science Day 2k24.
- Secured 1st position in Innovative Tech Hunt 2025 organized by the Visionary Mind Club at CGC College of Engineering.