

# Udit Bhatt

+91 7983227670 [uditbhatt73@gmail.com](mailto:uditbhatt73@gmail.com)  
[linkedin.com/in/udit-bhatt-67ba232a3](https://www.linkedin.com/in/udit-bhatt-67ba232a3)

## Education

### IIIT Naya Raipur

B.Tech in Electronics and Communication technology

**8/10**  
Aug. 2023 – May 2027

### Nirmala convent,Uttarakhand

CBSE - Class-XII

**86%/100**  
Aug. 2021 – May 2022

### Nirmala convent,Uttarakhand

CBSE - Class-X

**92%/100**  
Aug. 2019 – May 2020

## Projects

### Sentinel ([GitHub](#)):

- Designed and developed a full-stack YouTube analytics platform with Next.js, implementing server-side rendering and API routes to process 100K+ video data points.
- Engineered secure authentication using Clerk AI and OAuth 2.0, integrating the YouTube Data API to ingest metadata, comments, and transcripts at scale.
- Deployed OpenRouter LLMs (Meta LLaMA 3.1) to perform sentiment and engagement analysis, achieving 80% classification accuracy on 20K+ comments stored in MongoDB.
- Built interactive Chart.js dashboards to visualize sentiment distributions, engagement trends, and word clouds, and embedded a real-time chatbot for on-demand insights.
- Optimized data pipelines with asynchronous API calls and robust error handling, reducing end-to-end latency by 30% and delivering actionable creator recommendations.

### Game-bot ([GitHub](#)):

- Developed an AI agent in C++ for the two-player game “LoisBattle,” employing Minimax with a custom heuristic and Alpha-Beta pruning to guarantee optimal play.
- Tuned heuristic evaluation to cut decision-making time by 40%, securing a record across 20+ competitive matches.

### Chatbot-Factory ([Deployed link](#)).

- Architected a Retrieval-Augmented Generation (RAG) chatbot API using Node.js, Express, and @xenova/transformers, delivering 92% query relevance across 5K+ requests.
- Implemented JWT authentication and integrated OpenRouter LLMs in precision and exploration modes, sustaining 90% response accuracy under varied query loads.
- Parsed and indexed PDF documents with pdf-parse into MongoDB, enabling 87% context-matching accuracy for dynamic, document-driven queries.

## Technical Skills

**Languages:** Python, C/C++, JavaScript, HTML/CSS

**Frameworks/Libraries:** React, Node.js, Flask, Material-UI, FastAPI, Next.js, MongoDB, Express, AWS Services

**Databases:** MongoDB, MySQL

## Achievements

- Secured 3rd place at IIIT Naya Raipur and All India Rank 509 in the ICPC India Preliminary 2024, competing against 1,200+ teams.
- Achieved Specialist rating at Codeforces—see [profile](#).
- Placed top 5 out of 50+ teams in the Code of the Phoenix hackathon hosted by IIIT Naya Raipur.
- Achieved a Leetcode rating of 1733—see [profile](#).

## Areas of Interests

- Web development
- Data structures & Problem Solving