

ASHUTOSH JAISWAL

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Education

International Institute of Informational Technology - Naya Raipur

2022 - 2026

B.Tech in Data Science & Artificial Intelligence

Projects

Study-Simplify — *FastAPI, React, Tesseract OCR, NLP, Transformers*

[Source Code](#) — [Live Demo](#)

- Built an AI-powered platform to transcribe, summarize, and generate questions from PDFs, PPTs, and images using FastAPI and NLP models.
- Used Tesseract OCR, T5, and BERT for text extraction, summarization, and question generation.
- Deployed full-stack application with React frontend on Vercel and FastAPI backend on Render.

Crossword Puzzle Generator — *AI Algorithms, OpenAI, Flask, Python, OOP, NLP, LLM*

[Source Code](#)

- Designed an automated crossword puzzle generator using **Python** and **OpenAI** for NLP, allowing users to create custom puzzles.
- Implemented word selection algorithms that generated puzzles with accurate difficulty scaling and user-defined themes.

Blockchain Voting System — *Solidity, Hardhat, React, Ethers.js, IPFS, MetaMask*

[Source Code](#)

- Built a decentralized voting platform with **Solidity** and **React**, enabling secure, member-only, tamper-proof elections.
- Used **IPFS** for immutable metadata storage and integrated **MetaMask** for authentication and real-time vote tracking.
- Implemented role-based access, duplicate-vote prevention, and emitted events for seamless frontend updates via **Ethers.js**.

Swift Guess — *Flutter, Firebase, Dart*

[Source Code](#) — [Live Demo](#)

- Released a guessing game on **Android**, **Web**, and **Windows** with dynamic difficulty levels, hint system, scoring, and UI inspired by aesthetics.
- Integrated **Firebase** for real-time word/hint fetching, and added features like animated feedback, heart-based lives, and persistent local high scores.

Technical Skills

Languages: Python, C/C++, Dart, JavaScript, Solidity, HTML, CSS

Frontend: React, Flutter, HTML, CSS, Tailwind CSS

Backend: Django, Flask, FastAPI, Firebase, Hardhat

AI/ML: Scikit-learn, TensorFlow, PyTorch, OpenCV, Pandas, NumPy, Matplotlib, Prompt Engineering

Tools & Platforms: Git, GitHub, Docker, AWS, GCP, Firebase, Twilio, AI Studios, Tableau

Technical Domains: DSA, Machine Learning, Prompt Engineering, NLP, Web/App Development

Soft Skills: Problem Solving, Public Speaking, Leadership, Cross-functional Collaboration, Documentation

Position of Responsibilities

Training and Placement Cell

March 2024 – Present

Junior Placement Coordinator

- Organized and coordinated campus recruitment drives, ensuring smooth operations and efficient communication.
- Collaborated with companies to align their hiring needs with student profiles, facilitating successful placements.

The Society of Coders

Dec. 2022 – Present

Vice Secretary

- Developed coding challenges and hackathons that emphasized problem-solving and innovative thinking.
- Served as a mentor for freshmen students and conducted sessions for junior batches.

Extra Curricular

- Selected as a mentor for **Data Structures and Algorithms**, guiding **30 shortlisted students** in my junior batch.
- Led the organizing team of **Hack-a-Sol 3.0**, IIIT-NR's pan-India hackathon, managing a team of **50 members**.
- Involved in multiple college activities, including organizing **Model United Nations (MUNs)**, managed Operations at **E-Cell**, coding events, and leading a **state-level pitching event**.