

# KHUSHI TIWARI

FEMALE, 20

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## EDUCATION

B.Tech in Computer Science	2022-2026	VIT University, Bhopal	80.1%
ISC (Class XII)	2022	Mercy Memorial School, Kanpur	91.75%
ICSE (Class X)	2020	Mercy Memorial School, Kanpur	95.40%

## INTERNSHIPS

### Data Scientist and AI Backend Developer Intern, Line Code., Ontario

November 2024 – May 2025

Line Code – IT services and consulting

- **AI feature integration-** developed an RAG-based chatbot, automated resume parser and engineered hybrid ML model for a hiring recommendation system.
  - Increased query response accuracy by 60%, cutting manual form processing of candidates by 80% and boosted candidate-match precision by 25%.
- Conducted detailed analysis and generating company’s data reports, collaborated with team to optimize SaaS application, participated in team meetings, brainstorming sessions, and project discussions.
- **Awarded a formal recognition** for performance upon completion of the 7-month internship.

### Project Intern at ISRO, IIT- BHU ISRO RAC-S)

June 2024 - July 2024

- **Improved Accuracy of Space-Time Image Velocimetry (STIV)** with Deep Learning using CNN, achieving 89.90% accuracy and relayed the data to DBMS schema.
- Displayed real-time video of PIV using ffmpeg and HLS with latency of 4 seconds for the video display on a webpage.
- Processed video data and obtained velocities and other valuable insights from it.

## ACADEMIC PROJECTS

- **Analysis and Prediction of Crime Rate (Group):** Built an ensemble model (Random Forest + XGBoost) that achieved 92.5% accuracy in crime prediction and reduced false positives by 18%; handled testing, model evaluation, and developed interactive Power BI dashboards, resulting in a 20% improvement in response efficiency.
- **Legal Document Analyzer (Individual):** Architected end-to-end NLP pipeline utilizing pre-trained transformer models (BERT) and custom NER models to automatically extract, classify, and summarize legal clauses from contracts with 95% precision; productized the solution on Streamlit for end users.

## ACADEMIC ACHIEVEMENTS AND AWARDS

- Smart India Hackathon (SIH) 2024: Qualified for the 2nd University Internal Round

## POSITIONS OF RESPONSIBILITY

### Content Lead, NULL VIT BHOPAL Student Chapter (July 2024 – July 2025)

- Directed a cross-functional content team in creating technical documentation and social media strategies, mentoring 5 junior members.
- Anchored technical events and coordinated club operations.

## EXTRA-CURRICULAR ACTIVITIES AND ACHIEVEMENTS

- Achieved 1st Runner-Up in the Data StoryCraft Competition during Dattansh 2025's 7th Edition at Symbiosis Centre for Information Technology (SCIT), Pune.
- Grand Finalist (Top 50 out of 1000+ teams) in the Space Innovation Fellowship Hackathon at IISF 2023.

## OTHER INFORMATION

- Active participant in hackathons (20+), debates, and creative writing.