

# Ketan Goswami

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## Education

Vellore Institute of Technology, B Tech in Computer Science and Engineering

Oct 2022 – Oct 2026

- GPA: 8.58/10.0

## Experience

Sales and Marketing Intern, Semantics Cybernetics LLP

May – June 2023

- Developed **40+ sales leads** from advertiser-based referral streams in support of business efforts.
- Maintained CRM systems to track lead data and client engagement.
- Collaborated on sales reports and performed basic data entry and cleaning tasks using Excel on the **dataset of over 500 rows**.

## Projects

E-Voting Application Using Blockchain | *HTML, CSS, JavaScript, MongoDB, Python, Solidity, Node.js*

- Developed a decentralized voting system using Ethereum blockchain and smart contracts to ensure secure, transparent, and tamper-proof elections, delivering **results up to 95% faster**.
- Implemented biometric authentication, including facial recognition and fingerprint scanning, to strengthen voter verification and prevent unauthorized access.

Traffic Forecasting using GCN-LSTM Model | *Python, Pandas, Numpy, Matplotlib, TensorFlow*

- Developed a GCN-LSTM-based ML model to predict real-time traffic conditions and optimize vehicle flow.
- Outperformed traditional models by leveraging graph-based spatial relationships and sequential learning techniques.
- Demonstrated a potential **15–20% reduction** in peak-hour traffic delays in cities where the dataset was collected

Olympic Data Analysis | *(link) Python, Pandas, Streamlit, Matplotlib, Seaborn*

- Built an interactive web dashboard to explore **120 years of Olympic Games data**, enabling dynamic filtering and data visualization by year, country, and sport.
- Provided insights into medal trends, athlete participation, and sport-wise performance using real-world datasets.
- Sports like **Rhythmic Gymnastics peaks at 16–20 years**, while precision-based sports like **Shooting and Fencing** see medalists even **beyond 35 years**.

## Extra Curricular & Certifications

Deloitte Data Analytics Job Simulation - Forage

Aug 2025

- Created a data dashboard, analyzing the Factory's Machinery dataset from **4 different countries** using Tableau.

Defence Warriors Club Lead, VIT Bhopal

2024 - 2025

- **Expanded club visibility by 2 times** through outreach, frequent club events and organized key events at Advitya Fest 2025 which included guest lecture speaker session, quizzes, and painting competition.

## Additional

**Technical Skills:** Java, C++, HTML, CSS, JavaScript, PHP, Data Analytics - Python, MySQL, MS Excel, Tableau, Power BI, Machine Learning.

**Certifications:** IBM DevOps Fundamentals, NPTEL- Cloud Computing, Marketing Analytics, Coursera- The Bits and Bytes of Computer Networking.

**Awards:** AI Hackathon Winner - Fintech Club, First Runners Up - Basketball Tournament.