

# 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 2023 – June 2023

- Developed sales leads prospected 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.

## 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.
- 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.

**PG Spotter** | *HTML, CSS, JavaScript, PHP, MySQL*

- Built a full-stack web platform that allows users to search, filter, and book PG accommodations in multiple cities.
- Designed a secure and scalable database to store detailed PG listings, ensuring efficient data retrieval and management.

**Olympic Data Analysis Dashboard** | *(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.

## Activities

**Defence Warriors Club Lead**, VIT Bhopal

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

**Sports Committee member**, St. Clare's high school

- Coordinated sports competitions annually at various stages, streamlining event logistics and logistics planning to ensure seamless execution for participants.

## Additional

**Technical Skills:** Java, C++, Python, HTML, CSS, JavaScript, MySQL, PHP, MongoDB, Machine Learning, Data Analytics.

**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.