

# Abhinav Tirole

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## EDUCATION

<b>Integrated Masters of Technology in CSE, Minors in Artificial Intelligence</b> <i>Vellore Institute of Technology (VIT), Bhopal, IN</i>	CGPA - <b>8.51</b> <i>Jul. 2021 – May 2026</i>
<b>Higher Secondary   Bhopal   Mar 20 - Jul 21</b>	Grade - <b>92.20%</b>
<b>Secondary   Bhopal   Mar 18 - May 19</b>	Grade - <b>92%</b>

## TECHNICAL SKILLS

**Languages:** Java, SQL, JavaScript, HTML/CSS

**Frameworks/Libraries:** React, Node.js, Express.js, Tailwind CSS, TensorFlow, Scikit-learn, Pandas, Matplotlib

**Developer Tools:** Postman API, Git, GitHub, VS Code, Google Collab, Jupyter Notebook

## EXPERIENCE

<b>Machine Learning Project Intern</b> <i>Infosys Springboard</i>	Oct 2024 – Dec 2024 <i>Remote</i>
<ul style="list-style-type: none"><li>Developed and optimized a <b>machine learning</b>-based fraud detection model for job postings, achieving <b>96% accuracy</b> on randomly sourced data, significantly improving fraud detection capabilities.</li><li>Led a cross-functional team of 5 members, implementing <b>Agile methodologies</b> to streamline workflows, enhance collaboration, and accelerate project timelines</li><li>Deployed the model within a <b>Flask-based web application</b>, enabling <b>real-time</b> job post verification, reducing fraudulent listings.</li></ul>	

## PROJECTS

<b>Job Posting Authenticity Analysis</b>   <i>Flask, Scikit-learn, Pandas, NumPy, Python</i>	<a href="#">GitHub</a>
<ul style="list-style-type: none"><li>Developed a Flask-based web application integrating <b>5+ ML models</b> (Naive Bayes, SVM, Random Forest, XGBoost, Logistic Regression) to detect fraudulent job postings with 96% accuracy.</li><li>Conducted extensive EDA and feature engineering using Scikit-learn, Pandas, and NumPy, optimizing model performance and fraud detection.</li><li>Designed a <b>user-friendly UI</b> with HTML &amp; CSS for real-time job authenticity analysis, enhancing accessibility for job seekers.</li></ul>	
<b>MediLink - Healthcare Management System</b>   <i>MERN, JWT, Google APIs, Razorpay, Socket.io</i>	<a href="#">GitHub</a>   <a href="#">Live</a>
<ul style="list-style-type: none"><li>Built a <b>MERN</b>-based healthcare management system with 10+ <b>REST API</b> endpoints, streamlining hospital workflows while optimizing MongoDB queries for 30% faster data retrieval.</li><li>Implemented role-based authentication (<b>JWT</b>, bcrypt) and <b>Google Authentication</b>, securing patient, doctor, and admin access.</li><li>Integrated Google Calendar &amp; Meet APIs for automated scheduling, virtual consultations, and <b>Razorpay</b> for secure transactions.</li><li>Created MediMeet, a 1:1 video and chat platform, enabling <b>real-time encrypted</b> doctor-patient <b>communication</b>.</li></ul>	

## CERTIFICATIONS

• Oracle Cloud Infrastructure Generative AI Professional	July 2024
• Applied Machine Learning in Python ( <i>University of Michigan</i> )	Jan 2023

## EXTRA CURRICULARS AND ACHIEVEMENTS

- **Hacktoberfest Contributor 23 & 24** – Completed 9+ open-source contributions across the season .
- **HR Core Team Lead, Data Science Club** : Coordinated 4+ monthly meetings, managing 5+ teams and 50+ members, increasing engagement by 30+ members in 6 months.
- **Core Team , NSS VIT Bhopal** : Successfully planned and executed 10+ key events, ensuring seamless organization, high engagement, and strong participation, each impacting 50+ attendees