ABHINAV TIROLE

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EDUCATION

Degree	Institute	Year	CGPA
5 yr Integrated MTech in CSE Minors in Artificial Intelligence	Vellore Institute of Technology, Bhopal, IN	Jul 2021 – May 2026	8.44*
Class 12th (Higher Secondary)	Subhash Excellence H.S. School , Bhopal	Mar 2020 – Jul 2021	92.20 %
Class 10th (Secondary)	Subhash Excellence H.S. School , Bhopal	Mar 2018 – May 2019	92 %

TECHNICAL SKILLS

Languages	:	Java, JavaScript, SQL, HTML/CSS, Python
Frameworks/Libraries	:	**Web Development -** React.js, Node.js, Express.js, Tailwind CSS, Material UI
		AI-ML/Data Science - NumPy, Pandas, Matplotlib, Scikit-Learn, LangChain(basic), LLM(basic)
Databases	:	MySQL , MongoDB
Tools	:	Postman API, Git, GitHub, VS Code, Google Collab, Jupyter Notebook
Coursework	:	Data Structures & Algorithm, OOPs, DBMS, OS

PROJECTS

MediLink – AI enabled Healthcare Management System | MERN, JWT, Google APIs, Razorpay, Langchain, LLM

- Developed and Deployed a secure role-based Full Stack healthcare platform implementing **JWT authentication** and **Restful APIs**, enabling patients, doctors, and admins to manage appointments, records, and communication.
- Integrated Google Calendar, Meet APIs for scheduling and virtual consultations, and **Razorpay** for secure payments
- Created MediMeet, a 1:1 video and chat platform, enabling real-time encrypted doctor-patient communication.
- Implemented MediBuddy, an LLM-powered chatbot utilizing LangChain, vector database, and HuggingFace models.

JobStation – AI enabled Job Portal | React.js,Node.js,Express.js, Clerk.js, LangChain, LLM, Huggingface , Llama 3.3

- Built and Deployed a Full Stack job portal with Clerk authentication, enabling job seekers to apply with resumes and recruiters to post jobs, manage applications, and review candidates.
- Integrated a Job Posting Authenticity Analysis feature using **5+ machine learning models** to detect fraudulent job postings based on job descriptions.
- Designed and implemented ColdConnect.ai using **LangChain** and **LLaMA 3.3** to assist job seekers in crafting personalized cold emails by analyzing their resumes, past projects, and job descriptions.

INTERNSHIPS

Machine Learning Project Intern || *Infosys Springboard*   Oct 2024 - Dec 2024

- Worked on Different Machine Learning models such as Naive Bayes, SVM, Random Forest, XGBoost, Logistic Regression improving accuracies and optimized the models
- Led a cross-functional team of 5 members implementing Agile methodologies to streamline workflows

Web Developer Intern || *Humans of Chhattisgarh (forOne Media)*   Jan 2023 - Mar 2023

- Collaborated with a team of web developers to design and launch a website that showcases the organisation's work and features regular blog posts, enhancing online presence and engagement
- Integrated multimedia features into the website, improving storytelling and user engagement."

CERTIFICATIONS

- GenAI using WatsonX || *IBM* (2025) 🔗
- Cloud Infrastructure Generative AI Professional || *Oracle* (2024) 🔗
- Full Stack Developer || *Sheryians* (2024) 🔗
- Applied Machine Learning in Python || *University of Michigan* (2023) 🔗

EXTRACURRICULAR

- Hacktoberfest Contributor 23 & 24 (Open source event)
- HR Core Team Lead, Data Science Club , VIT BHOPAL
- Core Team , NSS Club VIT Bhopal