

Tech Stack

Languages: Python, Java, JavaScript, HTML5, CSS3, TypeScript

Frameworks & Libraries: React.js, Node.js, Flask, FastAPI, TensorFlow, Django, Express.js, TailwindCSS

Databases & Tools: PostgreSQL, MySQL, Git, GitHub, VS Code, IntelliJ IDEA

AI / ML: Scikit-learn, Pandas, NumPy, Matplotlib, LLM

Cloud: AWS, Google Cloud, Cloud Computing

Experience

Virtual Intern – Generative AI (Google Cloud) [Google Cloud Gen AI]	Nov 2025 – Jan 2026
<i>SmartBridge & SmartInternz</i>	

- Learned Generative AI fundamentals including prompt engineering, model behavior, and responsible AI practices using Google Cloud.
- Completed hands-on labs with Google Cloud services such as Vertex AI, understanding model deployment, inference, and AI workflows.
- Applied prompt design techniques and cloud-based AI tools to solve guided real-world use cases in a virtual lab environment.

Software Development Intern	Jan 2026 – Ongoing
<i>Femira (by Meraji), Indore</i>	

- Assisted in application development by working on frontend features, debugging issues, testing modules, and supporting basic automation tasks.
- Worked with WordPress to configure and customize plugins, manage content workflows, and support feature enhancements based on business requirements.
- Gained hands-on exposure to backend data handling, API-based data flow, and collaborative SDLC practices using Git and team workflows.

Projects

Project Synapse – AI Powered Delivery Platform	[GitHub] [Live]	Aug 2025 – Oct 2025
<i>React.js, Tailwind CSS, FastAPI, REST APIs, SQLModel, Leaflet.js</i>		

- Designed and developed a full-stack, role-based last-mile delivery platform with separate Customer and Rider dashboards, focusing on scalability, usability, and real-world delivery workflows.
- Built responsive and reusable frontend components using React.js and TailwindCSS, ensuring smooth navigation, consistent UI, and optimized user experience across different roles.
- Integrated Redux for centralized state management and REST APIs for order lifecycle handling, real-time delivery tracking, and map-based location visualization using Leaflet.js.

Unmanned Vehicle for Mine Exploration and Analysis	Aug 2024 – Dec 2024
<i>Python, Machine Learning, Computer Vision, LiDAR, Sensor Fusion, Data Analysis</i>	

- Developed an AI-enabled unmanned vehicle system for autonomous mine exploration, integrating multi-sensor data to analyze underground environments and improve operational safety.
- Implemented sensor fusion techniques using LiDAR, infrared, ultrasonic, RGB, stereo cameras, and UWB radar to generate accurate 3D mine models and detect obstacles in low-visibility conditions.
- Applied machine learning and statistical analysis techniques for environmental monitoring, ore detection, and anomaly identification using Python-based data pipelines.
- Enhanced system reliability by combining real-time sensor data with AI-driven insights, reducing false detections and improving decision-making for safe and efficient mining operations.

Achievements

- **AWS Certified Cloud Practitioner** [\[AWS\]](#)
- **Oracle OCI Generative AI Professional** [\[ORACLE\]](#)
- Introduction to Machine Learning(Kaggle) [\[Introduction To Machine Learning\]](#)
- Aws Solutions Architecture Simulations [\[FORAGE\]](#)
- AI Fundamentals (ASCEND) [\[ACCENTURE\]](#)

Leadership & Responsibilities

General Secretary – Edu4U Club, VIT Bhopal [G.S]	(Feb 2024 – May 2025)
Led and coordinated 50+ members while organizing multiple technical and academic events.	
Student Coordinator – TCS Mass Recruitment Process	(Jan 2026)
Assisted in candidate coordination and gained exposure to interviewer expectations and hiring evaluation workflows.	
Runner-Up – Industry Conclave Project Expo, VIT Bhopal for a Machine Learning-based project.	
20th Position – GrabHack (Unstop) , competing at a national level among multiple teams.	
Final Round Qualifier – Adobe Hackathon , selected after multiple evaluation rounds.	
Shortlisted Team – Amazon Hackathon , recognized for problem-solving and solution design.	

Education

B.Tech in Computer Science and Engineering (Cloud Computing & Automation) <i>Vellore Institute of Technology</i>	2022 – 2026
CGPA: 7.84	