AYUSH RAI

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Education

- Currently pursuing **Bachelor of Technology** at Invertis University (2022-2026), with a current CGPA of **9.1**.
- Completed **Class 12th (CBSE)** in 2021 with PCM & Completed **Class 10th (CBSE)** in 2019

Skills

- **Programming**: Python, C++, Java, JavaScript, OOP Concepts
- **Full Stack Development:** MERN, Flask/FastAPI, Node.js, Express.js, REST APIs
- **Frontend Development:** React.js, TypeScript, HTML5, CSS3, TailwindCSS, Responsive Design
- **AI/ML Frameworks**: LangChain, NumPy, Pandas, Scikit-learn, TensorFlow, PyTorch, Jupyter
- **Tools & Platforms:** CRM Tools, Lead Management Systems, SAP (ERP), Cloud Applications, Git, GitHub, VS Code
- **Professional Practices:** Client Communication, Lead Follow-ups, Sales Funnel Management, Agile, SDLC

Experience /Internship

Full Stack Developer Intern — IIT Jammu (I3C-Techible)   July 2025 –Aug 2025
Full Stack developer Intern   *Jammu, India*

- Worked as a Full Stack Developer Intern at IIT Jammu, building end-to-end web applications using the MERN stack (MongoDB, Express.js, React.js, Node.js) under expert mentorship.
- Worked closely with mentors and stakeholders to understand user requirements, ensure smooth delivery, and improve system response time from 7 sec to 3 sec.

Full Stack Developer Intern – III (Invertis Innovation & Incubation)   July 2024 –April 2025
Full Stack developer Intern   *Bareilly, India*

- Developed and deployed the official website for Incubation Centre using the MERN stack along with Bootstrap and Material UI for responsive design, optimized frontend performance (reducing load time by 40%), and ensured scalable, user-friendly digital presence.
- Coordinated with multiple departments for continuous updates, handled feedback cycles, and ensured timely delivery of platform improvements.

Projects

Vaahana – Full-Stack Vehicle Rental System (GITHUB)   Oct 2024 – Nov 2025

- Engineered a scalable, role-based vehicle rental platform with secure JWT authentication, RESTful APIs, and complete Admin/Owner dashboards using MongoDB, Express.js, React, and Node.js.
- Developed high-impact modules including car management, booking validation logic, availability checks, and responsive UI components—boosting system reliability, performance, and user experience.

Invertis Innovation & Incubation Centre (GITHUB)   July 2024 – April 2025

- Developed and deployed the official website of Invertis Innovation & Incubation Centre using MERN stack **(MongoDB, Express.js, React, Node.js)** to enhance the organization's digital presence and accessibility.
- Implemented a responsive, clean UI/UX design ensuring seamless navigation across devices, which improved user engagement and brand visibility.

Finova AI – Smart finance tracker (GITHUB)   Jan 2025 – March 2025

- Built Finova AI, a smart finance tracking application with AI-powered receipt scanning, enabling automated expense categorization and reducing manual data entry.
- Designed interactive dashboards and auto-generated financial reports using modern web technologies, improving financial insights, decision-making, and user productivity.

Smart Waste Management System (Hackathon Winner) (GITHUB)   July 2025 – April 2025

- Developed an intelligent waste classification system that improved waste sorting accuracy by 85% and reduced manual effort by 40% using ML models to recognize waste type, estimate manpower needed, and predict decomposition time.
- Built a real-time graphical dashboard for smart insights into waste metrics using Python, TensorFlow, Scikit-learn, OpenCV, and Streamlit.

Leadership & Awards

- **Convener, Student Committee - III:** Led a 10-member team, managed targets, coordination, communication, execution strategy.
- **Presidential Team Member, Technical Club:** Supported planning and execution of technical events to drive student engagement.
- **Host & Awardee, TEDx & Invertia Fests:** Recognized for public speaking, stage confidence, audience handling, and communication skills.