

Prajyot Raut

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🐙 [GitHub](#) [in](#) [LinkedIn](#) [🌐 Portfolio](#)

Education

Plaksha University, Mohali B.Tech in Computer Science and Artificial Intelligence	2024 – 2028 CGPA: 8.46
JNV Chandrapur Class XII (CBSE)	2022 – 2024 92.2%
JNV Chandrapur Class X (CBSE)	2020 – 2022 95.6%

Experience & Leadership

Core Member, Photography Club	Oct 2025 – Present
- Co-founded the photography club and led creative initiatives across campus - Captured and documented major university events, enhancing digital engagement	
Member, LEAP AI Club	Jan 2025 – Present
- Organized a GenAI workshop on image generation for student community - Collaborated on AI-focused projects and peer learning sessions	

Projects

Green Lens

- Developed a full-stack platform to map urban garbage hotspots using geolocation
- Trained YOLO-based model achieving **90%+ accuracy** for waste detection
- Built interactive frontend to visualize waste distribution across regions

Social Media Platform

- Engineered a full-stack social networking app with real-time messaging
- Built scalable backend using Node.js, Express, and MongoDB

CCTV Trespassing Detection Dashboard

- Designed real-time surveillance system using YOLO for intrusion detection
- Optimized model for low-resource environments with **90%+ accuracy**

Technical Skills

Languages: Python, C++, C, JavaScript, TypeScript

Web: React.js, Next.js, Node.js, Express.js, MERN Stack

Tools: MongoDB, Firebase, Cloudinary, FastAPI, WebSockets

Machine Learning: YOLOv8, Computer Vision, Model Optimization

Achievements

- Secured **1st Position** at FxP Hackathon (FinTech domain)
- Ranked in **Top 100** among 13,000+ teams in SBI Youth Ideathon (IIT Delhi)
- Airtel Bharti Scholar
- Published research article in *Morung Express*

Activities & Volunteer Work

- Contributed as Web Developer for TechFest event website
- Active member of FitoorXPrayas initiative
- Participated in hackathons and AI community events