

# Priyansh Pathak

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## PROFESSIONAL SUMMARY

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Passionate and driven Computer Science undergraduate specializing in Artificial Intelligence and Machine Learning. Experienced in building responsive web applications and deploying AI models using industry-standard tools. Completed multiple internships and hackathons, demonstrating adaptability, problem-solving, and strong coding abilities. Eager to apply technical skills in impactful software development and research roles.

## EDUCATION

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**SRM Institute of Science and Technology** – B.Tech in Computer Science (AI & ML)    *Aug 2023 – May 2027*  
Relevant Coursework: Machine Learning, Data Structures, Software Engineering, DBMS  
**IIT Ropar** – Minor in Artificial Intelligence    *Expected: 2025*

## SKILLS

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**Languages:** Python, Java, C, C++, JavaScript, SQL  
**Web:** HTML, CSS, React.js, Flask  
**Tools:** OpenCV, Selenium, MATLAB, Git  
**Others:** Responsive Design, Testing, API Integration

## EXPERIENCE

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**Research Intern – IIT Mandi**    *May 2025 – Jul 2025*

- Worked on AI-based video attendance system research with focus on face recognition and Siamese networks.
- Implemented deep learning pipelines using TensorFlow/Keras, MTCNN for face detection, and triplet loss for training.
- Contributed to dataset preprocessing, model evaluation, and literature survey of related research papers.

**AI Intern – AIEnsured**    *July 2025 – Sept 2025*

- Developed and fine-tuned ML models ensuring fairness, robustness, and explainability.
- Automated model evaluation pipelines and documented results for auditability.
- Assisted in integrating AI governance tools into client workflows.

**AI/ML Intern – Sky Brisk Technologies**    *Apr 2025 – Sept 2025*

- Designed and tested machine learning models for predictive analytics.
- Worked on feature engineering, hyperparameter tuning, and performance optimization.
- Collaborated with team on deploying AI solutions for real-world use cases.

## PROJECTS

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### AI-Powered Video Attendance System

Flask-based system using Siamese neural networks, MTCNN, and triplet loss for face recognition in classroom videos. Automates preprocessing, model training, and attendance logging.

### Smart Cultural Storyteller

AI-powered app that narrates cultural stories from user-uploaded images using Google Generative AI. Features image analysis, JSON-based cultural datasets, and a Streamlit interface.

### Face Recognition Attendance System

GUI application in Python with Tkinter and OpenCV. Supports password-protected training, real-time recognition, and CSV-based attendance management.

## LEADERSHIP

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### ASSOCIATE LEAD– SRMKZILLA

*2023 – Present*

Contributed to community-led open-source and tech initiatives, collaborating on development projects and event support at SRM.