

# SATYAM TYAGI

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## OBJECTIVE

To leverage my academic background in computer science and hands-on experience with emerging technologies to contribute to innovative, process-driven solutions. I aim to grow as a versatile professional by applying analytical thinking, technical expertise, and collaborative skills across diverse domains, while continuously learning and adapting to new challenges in the evolving tech landscape.

## EDUCATION

**Masters of Computer Science** | University of Petroleum & Energy Studies, Dehradun, Uttarakhand Expected 2026

Specialization: Artificial Intelligence & Machine Learning

**Bachelors of Computer Science** | Ch. Charan Singh University, Meerut, Uttar Pradesh 2020 to 2023

## SKILLS

Technical Skills	Python, Docker, Deep Learning, DevOps, SQL, OOPS, DBMS, SDLC, AWS, Azure, GIT
Soft Skills	Adaptability, Creativity, Communication, Problem Solving, Team Collaboration

## EXPERIENCE

Data Science & Machine Learning Intern 25, June 25 to 25, Aug 25  
Zaalima Development Pvt. Ltd | Bangalore, Karnataka

- Experienced to work on live projects under an expert trainer and a team environment.
- Helped in selecting an optimal approach towards the project using my knowledge on the subject achieving over 97% accuracy during evaluation.
- Projects: Fraud Detection System for Financial Transactions, AI-Based Resume Screening System.

## PROJECTS

### Music Emotion Recognition.

Built a robust and efficient system capable of classifying emotions in Hindi music clips based on audio features. By leveraging deep learning/pattern recognition techniques and advanced audio processing methods, the project aims to recognize emotions such as Sadness, Romance, Devotion, Party Vibes, and Happiness. The ultimate objective is to enhance human-computer interaction by enabling machines to understand the emotional context of music, which has applications in personalized music recommendations, mood-based playlists, and therapeutic music interventions.

### Insta Vote - Social Media Voting Platform.

Built A MERN stack social media application that enables users to share posts and participate in community voting. The platform features real-time notifications, trending posts, and interactive commenting system.

### Ongoing: Detection of Over-Exposed Vehicle Headlights.

Developing a real-time machine learning system to detect high-beam glare using night-time traffic footage. Responsibilities include dataset preparation, image preprocessing, headlight region extraction, and glare classification using supervised learning techniques. Focused on improving road safety through scalable, camera-based automation for smart traffic systems.

## LEADERSHIP

- Project/Team Lead for Zaalima Technologies with over 4+ members working on multiple projects simultaneously and reporting progress to the trainers also taking guidance for them to deliver a robust and optimal product.

## EXTRA-CURRICULAR ACTIVITIES

- Semi-Finalists at CBSE Cluster National Level Football Tournament 2020
- Volunteering for NGO work to distribute food and clothes for the needy.