

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.