

Deepti

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EDUCATION

Lamrin Tech Skills University <i>Bachelor of Technology in Computer Science Engineering (AI & ML Specialization)</i>	Punjab, India 2023 – 2027
The Asian Sr. Sec. School <i>Senior Secondary (12th) - Science Stream</i>	Uttar Pradesh, India 2020 – 2021
The Asian Sr. Sec. School <i>Secondary School (10th)</i>	Uttar Pradesh, India 2022 – 2023

TECHNICAL SKILLS

Programming Languages: Python, Java, C++, JavaScript, HTML, CSS
Frameworks & Libraries: Flask, YOLOv8, TensorFlow, matplotlib, Scikit-learn, Pandas, NumPy
Databases: PostgreSQL, MySQL,
Tools & Technologies: Git, GitHub, Tableau, Linux
Core Competencies: Machine Learning, Deep Learning, Object Detection, Data Visualization, Web Development
Soft Skills: Problem Solving, Team Collaboration, Agile Methodologies, communication

PROJECTS

Human Activity Recognition using YOLOv8 <i>Python, YOLOv8, OpenCV, Deep Learning</i>	2025
<ul style="list-style-type: none">Developed a real-time computer vision system for human activity classification from video streams, achieving high accuracy in detecting activities such as walking, running, and jumpingImplemented YOLOv8 object detection architecture to track human poses and classify activities with improved temporal consistency across framesOptimized model performance through data augmentation and hyperparameter tuning, reducing inference time by 30% while maintaining 90%+ accuracyProcessed and labeled dataset of video frames for training and validation, implementing efficient data pipeline for real-time processing	
Suggestive - E-commerce Recommendation System <i>Flask, PostgreSQL, JavaScript, HTML/CSS</i>	2023
<ul style="list-style-type: none">Architected and deployed a personalized e-commerce recommendation platform serving product suggestions based on user behavior and purchase patternsImplemented collaborative filtering and content-based recommendation algorithms to enhance user engagement and increase conversion ratesDesigned responsive front-end interface using HTML, CSS, and JavaScript with seamless user experience across devicesBuilt RESTful APIs using Flask framework and integrated PostgreSQL database for efficient data storage and retrieval of user interactions and product catalogsOptimized database queries and implemented caching mechanisms to handle + concurrent users with sub-second response times	
Personal Portfolio Website <i>HTML, CSS, JavaScript, Responsive Design</i>	2024
<ul style="list-style-type: none">Created a responsive portfolio website showcasing academic background, technical projects, and professional skills with basic design principlesImplemented interactive elements and smooth animations using JavaScript to enhance user engagementDeployed website with cross-browser compatibility and mobile-first responsive design approach	

CERTIFICATIONS

Tableau for Data Visualization	Udemy
Java Programming	Udemy

ADDITIONAL INFORMATION

Languages: English , Hindi