YASHRAJSINH RAJPUT

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ABOUT ME

Known for a proactive approach, adaptability, and a commitment to continuous learning. Adept at collaborating with cross-functional teams to deliver innovative solutions and exceed expectations.

EDUCATION AND TRAINING

03/2019
10TH GSEB BOARD

05/2021
12TH GSEB BOARD

08/10/2021 – 19/05/2025 Vadodara, India
BACHELORS DEGREE Parul Institute of Engineeering and Technology

Address Post Limda, Waghodia, Gujarat, 391760, Vadodara, India | **Website** https://paruluniversity.ac.in/ | **Level in EQF** EQF level 6

10/02/2025 – CURRENT ROUEN, France
MASTERS IN SOFTWARE ENGINEERING AND DIGITAL TRANSFORMATION Esigelec

Website https://www.esigelec.fr/fr | **Level in EQF** EQF level 7

WORK EXPERIENCE

URO COMPUTER WEBSOFT SOLUTIONS – VADODARA, INDIA
JR JAVA DEVELOPER INTERN – 01/08/2024 – 30/11/2024

-Web Application using Java - Adv Java and SQL
- Working on User Interface
- Back-end Coding
- Sotwares- NetBeans with Java

PROJECTS

Celestial Obeject Classification Using Machine Learning

- Conducted a comparative analysis of multiple machine learning algorithms to classify celestial objects (stars, galaxies, nebulae, etc.).
- Preprocessed astronomical data and evaluated models using performance metrics such as accuracy and F1-score.
- Identified the model with the best performance for potential use in automated astronomical data analysis.
- Demonstrated the potential of ML techniques to streamline and accelerate celestial object classification for astronomers and researchers.

Geolocalization Application(Mobile)

- Geolocalization determines an object's geographic location using visual data,It compares unknown images with known images to find matches and infer location
- This project uses different algorithms/approches like Triangulation,SIFT Algorithm,AKAZE Algorithm.
- Triangulation is geometric technique determining location by forming triangles from known points, It further estimates 3D position from multiple 2D images taken from different viewpoints.
- SIFT-Scale-Invariant Feature Transform detects keypoints invariant to scale and rotation, it is widely used for object recognition, image stitching, and tracking.
- Whereas Accelerated-KAZE improves speed while maintaining robustness against scale changes,it also uses nonlinear diffusion filtering for feature detection.

21/09/2025 – CURRENT

Retrieval Patterns From 3D Objects

Relief patterns retrieval in 3D objects the topic means retrieving or matching local relief patterns on 3D surfaces (for example- finding patches of similar relief, engraving, tool marks or ornamentation across a database of 3D scans)

- A relief is a local surface variation (raised or carved design), often shallow compared to the overall geometry.Think of it like a texture carved into 3D surfaces, not the whole shape
- Real life example In Forensics there are Fingerprints,shoeprints, or bullet striation marks captured as 3D scans.

SKILLS

Microsoft Word | Microsoft Office package: Microsoft Word, Excel, PowerPoint, Access | Social Media including Facebook , WhatsApp and Twitter | Video Conferencing (Zoom, Teams, Skype, Webex) - Advanced | Organizational and planning skills | Java (IntelliJ IDEA, Eclipse) | SQL | database management systems | Machine Learning: Scikit-learn,TensorFlow,PyTorch, XGBoost | Python (NumPy,Pandas,Matplotlib,Seaborn) | Node.js

LANGUAGE SKILLS

Mother tongue(s): **HINDI**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C2	C2	C2	C2	C2
FRENCH	A2	A2	B1	B1	A2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

HOBBIES AND INTERESTS

Sports,Video Games,Poetry,Video-Editing,Content Creation