

# Yash Prajapati

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## PROJECTS

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### Partial Line Loss Correction: Certificate

- As a part of **ISRO's research** developed a **ConvLSTM**-based model for predicting missing pixels in INSAT 3DS satellite images, using thousands of image sequences.
- Implemented a binary mask approach to **restore missing pixels**, normalizing pixel values and achieving a **MAE of 0.0006**, and **accuracy** of about **98%** with minimal image modifications.

### Wanderlust: A Hotel Booking Website: GitHub Repo

- Created a **robust hotel exploration platform** using the **MERN stack** with signup/login features.
- Has implementation and showcase of various **CRUD operations**.

### Portfolio Website: link

- Designed** and **deployed** an **aesthetic** and **responsive portfolio website** highlighting multiple projects and showcasing expertise in various technical skills.

## EXPERIENCE

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### Research Intern, SAC-ISRO, Ahmedabad

Jan. 2025 – Apr. 2025

- Conducted research on the fields of **image reconstruction** and **image prediction** using various **CNN models** and **LSTM**.
- Utilized **INSAT-3DS Satellite** data by **MOSDAC, ISRO** for training the model for the image prediction. The research achieved an **accuracy** of about **98%** with **MAE** of **0.0006**.

### Software Developer Intern, GIFT-City Company Limited, Gandhinagar

Jun. 2024 – Jul. 2024

- Developed a **DOP application** for employees, enhancing user experience, **reducing paperwork** by **75%** and **process time** by **25%**.
- Integrated a **crucial update** and **resolved a critical bug** on the official GIFT City website, **improving stability** by **40%**.

## SKILLS

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**Data Science & Machine Learning:** Deep Learning, Computer Vision, Supervised Learning, Model Optimization, Data Preprocessing, CNN, LSTM, ANN

**Programming Languages:** Python, JavaScript, C

**Libraries & Frameworks:** TensorFlow, Keras, NumPy, Matplotlib, OpenCV, scikit-learn, Pandas

**Web Development:** HTML, CSS, Node.js, Express.js, React.js, SQL

**Tools:** Git, GitHub, Visual Studio Code, Jupyter Notebook

**Soft skills:** Patience, teamwork, time management, problem-solving

## CERTIFICATION

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- Google AI Essentials** (Google Career Certificates)
- Full Stack Development** (Certificate of Completion by **Apna College**)

## EDUCATION

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**Bachelor of Engineering, Information and Communication Technology (ICT)**

Oct. 2021 – May. 2025

Sal Institute of Technology and Engineering Research, Ahmedabad, **CGPA: 7.33**

## ACHIEVEMENTS

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- Led** university football team to **3 inter-college championships** by valuing every player and making **quick, strategic** on-field decisions.