PREYA PRADHAN

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EDUCATION

Pandit Deendayal Energy University, Gujarat *2021 - 2025*
B.Tech in Information And Communication Technology CGPA: 9.1

Sahjanand School of Achiever, Gujarat *2021*
Gujarat Secondary And Higher Secondary Education Board Percentage: 84.61

I.P English School, Gujarat *2019*
Gujarat Secondary And Higher Secondary Education Board Percentage: 80.33

SKILLS

Programming Languages: Python , JavaScript (React.js, Node.js), HTML, CSS, C

Developer Tools: VS Code, Git, Github

Cloud/Databases: AWS (EC2, S3), MySQL, MongoDB (Basic)

Operating System: Windows

Soft Skills: Analytical Thinking, Collaboration and Teamwork, Problem Solving, Time Management

PROJECTS

Data Quality Management Project | *React.js, Node.js* *May 2024*
- Developed an interactive front-end using React.js for validating non-quantitative attributes in large datasets, automating CSV file checks for railway station codes and names. Improved data validation accuracy by 14.33% and reduced processing time.

NDVI Flask Website Development Project | *Flask, HTML, CSS* *June 2024*
- Designed and implemented a Flask-based web application for automating the conversion of .tif and .tiff geospatial image files to .png format using Rasterio and GeoPandas. Processed over 500 datasets with 20% faster conversion times and enhanced user interactivity with a responsive interface.

NDVI Flutter Application Development Project | *Flutter, Dart, HTML, CSS* *July 2024*
- Developed a cross-platform Flutter application for visualizing NDVI Image Processing results. Integrated real-time file upload functionality and rendered geospatial data using Dart widgets, enhancing user accessibility and interface responsiveness.

StoryTeller Website Project | *React.js, Node.js* *July 2024*
- Built a fully responsive Storyteller website using React.js, featuring dynamic navigation, story creation, and editing functionality. Designed an intuitive user interface with reusable React components, improving development efficiency.

E-commerce Website Development Project | *MongoDB, React.js, Node.js* *May 2024*
- Designed e-commerce website using MERN Stack.
- Used MongoDB Compass for Database storage of Users login and Contact Details.
- Designed HOME page, Shopping Page, Contact Page, Login Page, NavBar, and AddtoCart Page. Navbar consists of a Search bar, a link to all the pages, and link to social media websites.

INTERNSHIPS

Bhaskaracharya Institute for Space Application and Geo-Informatics *May 2024 – August 2024*
Summer Intern | Gandhinagar, Gujarat
- Data Quality Management Software
- Flask Website Design
- Flutter Application Design

CATCH Foundation *July 2022*
Civic and Social Service Intern | Ahmedabad, Gujarat
- Community services and Environment welfare understanding

CERTIFICATIONS

- **SimpliLearn— SkillUp**: Software Development *August 2024*