

Jayesh Patel

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Summary

Detail-oriented Computer Science and Engineering student with experience in web development, mobile development, and data analysis. Seeking to leverage technical skills and strengths in a challenging role.

Education

Parul University

B.Tech in Computer Science and Engineering

Vadodara, Gujarat, India

2021 - 2025

CGPA: 7.29

Experiences

WRTeam

PHP Developer Intern

May 2024 – June 2024

Remote

- Developed and maintained 1 web applications using PHP.
- Assisted in integrating front-end and back-end systems.
- Improved code quality and performance, resulting in a 50%+ reduction in files needed for dynamic fetching, leading to significant space and code line savings.

CodSoft

Python Programming Intern

May 2024 – June 2024

Remote

- Developed 5 Python applications showcasing user management, game logic, security features, arithmetic operations, and task management.
- Implemented 3 new features improving application robustness by 30%

CodSoft

Data Science Intern

May 2024 – June 2024

Remote

- Conducted data analysis on 5 datasets, generating a total of 55 visualizations using Pandas, Matplotlib and Seaborn.
- Built predictive models achieving 85%+ accuracy.

CodSoft

Flutter Developer Intern

June 2024 – July 2024

Remote

- Developed 4 cross-platform applications using Flutter.
- Implemented various features and functionalities, enhancing user engagement and app usability.
- Conducted code reviews and optimized app performance.

Shreesofttech

Laravel Developer

Dec 2024 – Present

Onsite

Projects

Portfolio | CSS, JavaScript, Tailwind CSS, Vite, React

[Github](#) | [Live demo](#)

- Created a personal portfolio showcasing various projects and skills.

Hindu Scriptures | HTML, CSS, JavaScript, Express.js, Node.js, Google Gemini AI (for web)

[Github](#) | [Live demo](#)

- A platform for searching Hindu scriptures, featuring full-text searches, translations,

although mainly focused on original language.

- Implemented AI Search using Google's Gemini 2.5 Flash Model API.
- Utilized URL rewriting functionality to enable seamless translation from Sanskrit or any Devanagari script to various languages using Google Translate.

Hindu Scriptures | *HTML, CSS, JavaScript, Java (for android, using WebView technology)*

Recipe App | *Flutter*

[GitHub](#)

- Created an application to browse recipes using the Flutter framework.
- Implemented features for searching, filtering, and viewing recipes with a user-friendly interface.

Crop Recommendations App | *Python's Flask, HTML, CSS, JavaScript, Google Gemini AI*

[GitHub](#) | [Live demo](#)

- Developed an app to recommend crops based on location using Flask and Google's Gemini 2.0 Flash Lite Model API.
- Considered weather, soil types, nutrients, sunlight, pests, water requirements, and more for recommendations.

Weather App | *Python, Flask, HTML, CSS, JavaScript, Plotly, OpenWeatherMap and Tomorrow.io API*

[GitHub](#) | [Live demo](#)

- Built a web app to provide real-time weather data and forecasts using Flask.
- Users can input location data in various formats via a jQuery AJAX-based form.
- Created interactive hourly and minutely forecast plots with Plotly.

Nutrient Recommendations App | *Python, Flask, HTML, CSS, JavaScript, Google Gemini AI*

[GitHub](#) | [Live demo](#)

- Created an app to provide personalized nutrient recommendations using Flask and Google's Gemini 2.0 Flash Lite Model API.
- Gathered user inputs (age, gender, height, weight, etc.) via axios-based form.
- Generated daily nutrient and caloric intake recommendations with additional health tips.

CRM Dashboard | *HTML, CSS, JavaScript, React.js, Next.js, Tailwind CSS, Node.js, Chart.js, React Context API*

[GitHub](#) | [Live demo](#)

- Developed a responsive CRM Dashboard using React.js, Next.js, and Tailwind CSS with dark/light theme toggle.
- Displayed key performance indicators using dynamic charts, progress stats, and a time selector for data filtering.
- Managed state and theme with React Context API for seamless user experience across page.

ReviewSync | *HTML, CSS, JavaScript, Tailwind CSS, Bootstrap, ApexChart.js, PHP, Laravel, MySQL, Google APIs*

[GitHub](#)

- Built a review aggregation platform using Laravel and MySQL, integrating Google APIs for automated review fetching.
- Designed an intuitive UI with Tailwind CSS and ApexChart.js to visualize review trends and analytics.
- Implemented user authentication and role-based access for secure review management.

Realtime Form Validation | *HTML5, CSS3, JavaScript(optional)*

[GitHub](#) | [Live demo](#)

- Developed a responsive form with pure HTML & CSS validation, offering realtime visual feedback using advanced pseudo-classes like `:valid`, `:invalid`, and `:user-valid`.
- Built a CSS-only password visibility toggle using `-webkit-text-security`, checkbox logic, and sibling selectors—alongside a JS-based fallback for broader support.
- Enhanced UX with modern CSS features like `:has()`, `:focus-within`, and SVG icon masking, ensuring clean design and graceful degradation in unsupported browsers.

Laravel Gemini AI Translation Extractor | *PHP, Laravel, Google Gemini AI, spatie/fork*

[GitHub](#)

- Interactive Artisan command (`translations:extract-and-generate`) that scans Blade/PHP/JS/TS for translation keys (ignoring `route()`/`config()`), lets you select which PHP/JSON files to process, and supports graceful abort via “q.”
- AI-powered translations using Google Gemini 2.0 Flash-Lite—batching keys (`--chunk-size`), running concurrent requests (`--driver=fork`), and auto-retrying on rate limits.
- Auto-generates Laravel-style language files (PHP & JSON), logs all key sources and failures (`translation_extraction_log.json`/`failed_translation_keys.json`), and offers rich CLI options for exclusions, retries, verbosity, and more.

Enhanced Precision Grayscale Converter (Web) | *Python, FastAPI, HTML5, CSS3, Tailwind CSS, JavaScript, Axios*

[GitHub](#) | [Live demo](#)

- FastAPI backend exposing single & batch conversion endpoints for Rec.709, L*a*b*, HSL, HSV, BT.601, BT.2100 and Gamma modes—outputs 8- or 16-bit PNG/JPEG/HEIC/TIFF/WEBP/BMP with optional alpha-channel and metadata preservation.
- Responsive HTML/CSS frontend styled with Tailwind CSS (plus custom CSS) and vanilla JavaScript—uses Axios for real-time before/after previews, drag-and-drop or clipboard imports, format-quality controls (4:4:4, quality = 100) and EXIF/ICC strip-or-preserve toggles.
- Runs entirely on your server—no third-party uploads—supports configurable bit-depth, chroma-subsampling, and advanced export options via intuitive UI.

Enhanced Precision Grayscale Converter (Desktop) | *Python*

[GitHub](#)

- Modern CustomTkinter GUI for Windows offering single & batch processing queues, drag-and-drop and clipboard image loading, and selectable grayscale modes (BT.709, L*a*b*, HSL, HSV, BT.601, BT.2100, Gamma).
- High-bit-depth support (8- and 16-bit), alpha-channel handling, and export controls for format, DPI, color profiles, and metadata—leveraging local libraries only, no external uploads.
- Includes PyInstaller build scripts and NSIS installer config for seamless packaging into a standalone executable with all dependencies bundled.

Technical Skills

Programming Languages: Python, Java, C, C++, JavaScript, PHP

Frontend Development: HTML, CSS, Tailwind CSS, React, Vue.js, AngularJS, Next.js, Bootstrap, SCSS

Backend Development: NodeJS, ExpressJS, Laravel, MongoDB, MySQL, SQLite

Technologies/Frameworks: Flask, Django, FastAPI, Flutter, Git, GitHub, GitLab, Vite

Tools & Platforms: Command Prompt, PowerShell, Terminal, VS Code, Android Studio, Linux

Multimedia: Video Editing, Photo Editing

Productivity: Presentation, Spreadsheet, Word Processing, Automation Tools

Additional Areas of Expertise: Data Science, Cybersecurity

Certificates

PHP Developer

Python Programming

Data Science

Flutter Developer

Data Analytics with Python

Laravel

Soft Skills

Analytical Skills, Research Skills, Problem Solving, Attention to Detail, Time Management, Adaptability, Communication, Teamwork, Leadership