

# 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

May 2024 – June 2024

*PHP Developer Intern*

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

May 2024 – June 2024

*Python Programming Intern*

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

May 2024 – June 2024

*Data Science Intern*

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

June 2024 – July 2024

*Flutter Developer Intern*

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

Dec 2024 – Present

*Laravel Developer*

Onsite

## Projects

### Portfolio

*| HTML, CSS, JavaScript, Tailwind CSS*

[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.

**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*

- 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

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**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

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[PHP Developer](#)

[Python Programming](#)

[Data Science](#)

[Flutter Developer](#)

[Data Analytics with Python](#)

[Laravel](#)

## Soft Skills

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