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**

Vadodara, Gujarat, India

2021 - 2025

*B.Tech in Computer Science and Engineering*

CGPA: 7.29

# **Experiences**

**WRTeam**

May 2024 – June 2024

Remote

***PHP Developer Intern***

# 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.

May 2024 – June 2024

Remote

# **CodSoft**

***Python Programming Intern***

# 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

Remote

***Data Science Intern***

# 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

Remote

***Flutter Developer Intern***

# 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.

**Shreesoftech**

Dec 2024 – Present

Onsite

***Laravel Developer***

# **Projects**

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

[GitHub](https://github.com/jayeshmepani/Portfolio) | [Live demo](https://jayeshpatel-portfolio.netlify.app/)

* + Created a personal portfolio showcasing various projects and skills.

[GitHub](https://github.com/jayeshmepani/HinduScriptures/) | [Live demo](https://hinduscriptures.onrender.com/)

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

* + 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)*

[GitHub](https://github.com/jayeshmepani/Recipe-App)

**Recipe App |** *Flutter*

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

[GitHub](https://github.com/jayeshmepani/Crop-Recommendations-App) | [Live demo](https://croprecommendations.onrender.com/)

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

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

[GitHub](https://github.com/jayeshmepani/Weather-App) | [Live demo](https://liveweatherforecast.onrender.com/)

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

* + 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.

[GitHub](https://github.com/jayeshmepani/Nutrient-Recommendations-App) | [Live demo](https://nutrientrecommendations.onrender.com/)

**Nutrient Recommendations App |** *Python, Flask, HTML, CSS, JavaScript, jQuery AJAX, Google Gemini 1.5 Pro Model API*

* + Created an app to provide personalized nutrient recommendations using Flask.
  + Gathered user inputs (age, gender, height, weight, etc.) via a jQuery AJAX-based form.
  + Generated daily nutrient and caloric intake recommendations with additional health tips.

[GitHub](https://github.com/jayeshmepani/CRM-Dashboard) | [Live demo](https://crm-stat.netlify.app/)

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

* + 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.

[GitHub](https://github.com/jayeshmepani/Reviewsync/)

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

* + 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](https://github.com/jayeshmepani/validation-w-o-js) | [Live demo](https://validation-w-o-js.vercel.app/)

* + 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.

[GitHub](https://github.com/jayeshmepani/laravel-gemini-translator)

**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.

[GitHub](https://github.com/jayeshmepani/PrecisionGrayscaleConverter-Web) | [Live demo](https://precisiongrayscaleconverter-web.onrender.com/)

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

* 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.

[GitHub](https://github.com/jayeshmepani/PrecisionGrayscaleConverter)

**Enhanced Precision Grayscale Converter (Desktop) |** *Python*

* 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](https://drive.google.com/file/d/1L1zCEEWwPwZR9s1vSDAtiGP-Eao2AlCV/view?usp=drive_link)

[Python Programming](https://drive.google.com/file/d/1L0sXZx5_cM2NbqPqMxu9LT66k9NIc714/view?usp=drive_link)

[Data Science](https://drive.google.com/file/d/1Kf9wefWCrOgYh_YBgHKEjPQgd8nGajpE/view?usp=drive_link)

[Flutter Developer](https://drive.google.com/file/d/1JvQcnijk_f-0-ApsC_HS0jfB2LpWnHAC/view?usp=sharing)

[Data Analytics with Python](https://drive.google.com/file/d/1KsSZirAqiWB7n5yVZ7ywfdsdEItlR7dt/view?usp=sharing)

[Laravel](https://drive.google.com/file/d/1h3f5_pZ8GIM2jUCLM_1oN1BcB0Qxi2Sg/view?usp=sharing)

**Soft Skills**

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