



Tejas Hande

Full-Stack Engineer | AI & Automation Systems
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SUMMARY

Full-Stack Product Engineer building real-world applications focused on automation, SaaS systems, and data-driven platforms. Experienced in developing scalable web applications, workflow automation tools, and interactive dashboards across different domains, including industrial systems. Strong focus on solving operational problems through efficient architecture, system design, and production-ready implementations.

EDUCATION

SIDDHANT COLLEGE OF ENGINEERING

BACHELOR OF ENGINEERING (B.E.) IN COMPUTER SCIENCE

Dec 2021 – Jun 2025

Pune, India

G R P SABNIS JR. COLLEGE

HIGHER SECONDARY CERTIFICATE (HSC) – SCIENCE

Jun 2019 – Mar 2021

Narayangaon, India

74.00%

SHRI MAHALAXMI VIDYALAYA

SECONDARY SCHOOL CERTIFICATE (SSC)

Jun 2018 – Apr 2019

Umbraj, Maharashtra

82.20%

EXPERIENCE

UNITED BIOENERGY PVT. LTD. | SOFTWARE DEVELOPER

Ozar, Pune | Dec 2025 – Present

• Agri-Tech Product Development (OBFS):

- Developed an outcome-based agri intelligence platform (OBFS) to optimize fertilizer usage using soil data, crop stage, and environmental inputs.
- Built core system logic for data-driven recommendations and workflow automation for real-world agricultural use.
- Designed scalable architecture and user workflows for future product expansion.

• Industrial Data Systems & KPI Dashboards (QuantumJet AI):

- Developed QuantumJet AI, an enterprise CBG plant platform with live health heatmaps, chemical stock forecasting, and Management Information Systems (MIS).
- Designed core operational workflows including automated Gate Passes, Diesel Challan tracking, and integrated Payroll & Attendance modules.
- Built an audit-ready Petty Cash ledger with Cloudfinary receipt validation and custom-styled Excel reporting using `xlsx-js-style`.
- Engineered data systems for logging multi-shift metrics, lab parameters (pH, COD), electrical tracking, and weather-yield correlation.

• Client Web Solutions & SEO:

- Developed and maintained client-facing websites with strong focus on performance and responsiveness.
- Implemented SEO strategies achieving top search rankings and improved visibility.

MARSSTRONG INTERNATIONAL | WEB DEVELOPER

Thane, India | Nov 2024 – Nov 2025

- Developed and maintained responsive websites, improving cross-device UX by 30%.
- Increased user engagement by 25% through data-driven UI improvements and performance optimizations.
- Built SEO-optimized landing pages, increasing organic traffic by 40% and improving search rankings.
- Improved site speed and Core Web Vitals by 15% using Lighthouse audits and performance tuning.

SKILLS

Core Expertise:-	Full-Stack Development, Automation Systems, SaaS Platforms, Data Dashboards
Frontend:-	React.js, JavaScript, HTML, CSS, Bootstrap
Backend & APIs:-	Node.js, Express.js, REST APIs, Axios
Databases:-	MongoDB, MySQL
Automation & Integrations:-	SMTP (Gmail), Razorpay, Stripe, API Integrations
Tools & Platforms:-	Git, GitHub, Postman, Vercel, Render, Railway, Chrome DevTools
Additional:-	Java, Python, C, JWT, OAuth

PROJECTS / OPEN-SOURCE

QUANTUMJET AI – CBG OPERATIONS INTELLIGENCE | [LINK](#) **React.js, MERN Stack, TanStack Query**

- Built an enterprise-grade CBG plant management platform with real-time KPI tracking, stability heatmaps, inventory forecasting, and comprehensive MIS.
- Developed core operational modules including digital Gate Passes, Diesel Challan tracking, and a Payroll & Attendance management system.
- Implemented a digital finance ledger with role-based funding, Cloudinary receipt verification, and professional Excel exports.
- Designed robust data entry forms for shift parameters, lab analysis metrics, and integrated historical weather data for yield analysis.

OBFS – AGRI INTELLIGENCE PLATFORM | [LINK](#) **Agri-Tech, Data Systems, Automation**

- Developed an outcome-based agriculture system providing fertilizer recommendations based on soil data, crop stage, and environmental conditions.
- Built core logic for data-driven decision-making and optimized workflows for real-world agricultural use.
- Focused on scalable system design and practical usability for farmers and agri stakeholders.

WINDSPEED – FULL STACK SAAS ECOMMERCE WEB APP | [LINK](#) **React.js, Vite, Express.js, MongoDB, Razorpay**

- Designed and developed a scalable MERN stack SaaS web application enabling businesses (food, clothing, etc.) to sell products online with real-time order management and multi-role access.
- Built secure user authentication, admin panel, and integrated Razorpay for seamless online payments.
- Implemented real-time cart updates, dynamic promo code validation, and persistent user sessions for a smooth UX.
- Optimized MongoDB schema design and frontend performance, significantly improving load speed and responsiveness.
- Research based on this project was published in IJSREM (June 2025) – DOI: 10.55041/IJSREM49878.

NETWORTH – PERSONAL FINANCE & WEALTH TRACKER | [LINK](#) **React.js, TypeScript, Node.js, Express.js, MongoDB**

- Developed a comprehensive wealth tracking platform to monitor assets (bank accounts, stocks, mutual funds) and liabilities (loans, credit cards) in one dashboard.
- Integrated external APIs to fetch live stock prices and mutual fund NAVs (using AMFI scheme codes) for automated real-time portfolio valuation.
- Built modules for credit card utilization limits, loan amortization tracking, and financial goal progress visualization.
- Designed a responsive dashboard utilizing Tailwind CSS and Vite with custom skeletons, lazy loading, and robust client-side state caching.

OPEN SOURCE CONTRIBUTION:- CREATE REACT APP (META) | [PR LINK](#) JavaScript, TypeScript, Jest

- Contributed to Meta's official React starter project by enhancing the test suite for Create React App.
- Added test cases for invalid templates, TypeScript configuration, and CLI output snapshots to improve robustness.
- Passed Meta's production CI and signed the Contributor License Agreement (CLA).
- Strengthened project boot reliability for 50k+ weekly React applications started via `npm create-react-app`.

KLING NUTS — BRAND WEBSITE (CLIENT PROJECT) | [LINK](#) WordPress, Elementor, SEO, GSC

- Designed and developed a responsive WordPress website for the premium peanut-butter brand Kling Nuts, focusing on UX and product presentation.
- Implemented SEO best-practices (Rank Math, structured data, meta tags, OG tags) and connected the site to Google Search Console for analytics and indexing.
- Performed DNS and SSL configuration, performance optimizations and image compression to improve page load times and reliability.
- Collaborated with the client on content, product pages and ongoing maintenance, ensuring consistent brand styling and up-to-date product information.

OPEN SOURCE CONTRIBUTION:- SCRAPEGRAPH-AI | [LINK](#) Python

- Contributed to the development of an open-source web scraping tool using Python, enhancing scraping performance by 30% through optimized code.
- Debugged and resolved issues in key components, such as SmartScraperGraph, RobotsNode, and SearchLinkNode, ensuring stable functionality.
- Wrote and executed test cases to validate the scraping pipeline, ensuring accuracy and data reliability.

gIMAGES || ALL-IN-ONE IMAGE TOOL | [LINK](#) HTML5, CSS3, JavaScript, Bootstrap

- Built a user-friendly image manipulation tool with features like resizing, compressing, and rotating images, improving user productivity by reducing manual steps.
- Streamlined image processing, cutting load times by 40% using advanced JavaScript functions.
- Integrated local storage techniques to manage user-uploaded images efficiently, enhancing workflow.

ONLINE CODE EDITOR | [LINK](#) HTML, CSS, JavaScript

- Created an interactive code editor for real-time preview and error-checking, providing users with immediate feedback on HTML, CSS, and JavaScript code.
- Improved app responsiveness for large inputs, reducing lag and enhancing user experience.

PERSONAL PORTFOLIO WEBSITE | [LINK](#) HTML5, CSS3, JavaScript, Bootstrap

- Developed a fully responsive portfolio website to boost engagement using clean design and interactive elements.
- Improved performance by streamlining CSS, reducing page load times by 30%.
- Implemented key sections including work samples, skills, and contact details for better user navigation.

STRENGTHS

- Product Execution: Builds complete, production-ready systems from idea to deployment, including UI, backend logic, and integrations.
- Automation Mindset: Focused on reducing manual effort by designing workflow-driven systems and automation solutions.
- System Thinking: Designs scalable structures, data flows, and reusable components instead of isolated features.
- Data-Driven Approach: Converts raw data into actionable insights through dashboards and structured reporting.
- Fast Adaptation: Quickly learns new domains (Agri-Tech, Industrial Systems) and technologies through hands-on implementation.
- Ownership: Handles end-to-end development from requirement understanding to deployment and iteration.

CERTIFICATIONS

- Full Stack Web Development (Java) — The Kiran Academy, Pune
- Forage Virtual Experience Programs:
 - Accenture — Development & Advanced Engineering
 - Cognizant — Artificial Intelligence
 - J.P. Morgan — Software Engineering
 - TCS — Cybersecurity Analyst

PUBLICATIONS

- Windspeed – Full Stack SaaS E-Commerce Web Application - DOI: 10.55041/IJSREM49878