

PRANJAL SRIVASTAVA

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SUMMARY

Frontend engineer focused on fast, accessible, and reliable web apps. I build modern JS/TS frontends with React, design clean component architectures, and tune Core Web Vitals using performance budgets, lazy loading, and smart asset delivery. I care deeply about accessibility, keyboard-first UX, and clear empty/error states, and I back changes with Lighthouse checks and basic analytics. Comfortable owning the full loop: translating product briefs to UI, instrumenting APIs, setting up CI/CD, and documenting UX flows so teams can ship confidently.

CORE SKILLS

Languages & Frameworks: TypeScript/JavaScript, React, HTML5, CSS3, Python, Java

Frontend & UI: Component architecture, state management (Context/Zustand), forms/validation, responsive layouts, accessibility (ARIA, focus management), routing

Performance & Accessibility: Core Web Vitals, code splitting, lazy loading, asset preloading, image optimization, reduced motion, keyboard navigation

Build & Testing: Vite, npm scripts, GitHub Actions CI, Jest basics, automated checks (Lighthouse)

APIs & Data: REST/JSON, fetch/Retry patterns, caching strategies, error boundaries, pdf.js ingestion, client storage (IndexedDB/localForage)

Cloud & Deployment: GitHub Pages, Vercel serverless APIs, ngrok, CORS, Docker (dev)

Design & Systems: UI patterns, tokens/variables, utility CSS, accessible dialogs/modals, forms UX, dark/light themes

Dev Workflow: Git branching, code reviews, PR templates, issue triage, Agile/Scrum

EXPERIENCE

Tinker Tech Logix - Software Developer

Apr 2024 - Sep 2025

- Built and refined JS/TS frontends across admissions, fees, exams, and results modules with modular components and clean states.
- Improved perceived load time via image sizing, preloads, and content-visibility; reduced layout shifts with explicit dimensions.
- Raised accessibility with ARIA roles, focus outlines, and keyboard flows; improved contrast and reduced-motion support.
- Standardized forms and validation patterns; added helpful empty/error states and inline guidance to cut user friction.
- Partnered with backend to document API contracts (Swagger/OpenAPI) and harden error handling and retries on the client.
- Added CI checks (build, type, lint, basic Lighthouse) and reviewed PRs for UX and performance regressions.

ECS - Intern, Cloud Server & Data Management

May 2019 - Aug 2019

- Supported web-facing data dashboards and assisted with stability/performance tuning in cloud environments.
- Helped with backup/recovery procedures and contributed to scale-out planning and data handling best practices.

SELECT PROJECTS

Portfolio Site - Modern Static Frontend (GitHub Pages)

- Responsive layout with sticky header, dark/light toggle, and accessible navigation; keyboard-friendly dialogs and focus rings.
- Core Web Vitals optimizations: preload hero, explicit image dimensions, content-visibility, deferred non-critical JS using requestIdleCallback.
- Projects gallery with tag filters and full-text search; high-conversion contact funnel with honeypot, thanks page, and confetti micro-interactions.

Hallucination Guard - React + TypeScript Evidence Checker

- Built a trust-first UI that highlights evidence for each answer; clean Review -> Sources -> Report flow and downloadable report.
- Implemented client-side retrieval with clear loading/error states, toasts, and accessible focus management for modal content.
- Packaged as a static site with CI/CD; tuned for quick first paint and smooth interactions on average laptops.

Private Doc Chat - Browser-Only RAG UI

- Single-page UI for ingesting PDFs and asking questions locally; quote-only answers with inline citations and copy-to-clipboard.
- In-browser embeddings and model calls with status banners, progress indicators, and Clear Data controls for reset flows.
- Offline-ready shell via Service Worker; IndexedDB storage with Clear Data; deployed on GitHub Pages.

Vanessa - Voice AI Dashboard (Node/Express backend)

- Frontend dashboard showing live lead statuses with real-time badges and simple JSON/health feeds for fast troubleshooting.
- Readable tables/cards with filters and detail views; clear empty/error states and retry flows.
- Developer docs and runbook for demo setup; hosted as a lightweight static app with Node-backed endpoints.

EDUCATION

M.S., Computer Science - Texas A&M; University - Corpus Christi

2022 - 2023

B.Tech., Computer Science - SRM Institute of Science and Technology

2017 - 2021

CERTIFICATIONS

- micro1 - Certified Software Engineer (AI Interview), Sep 2025
- Complete ServiceNow Developer Course (Udemy)
- Programming in Python for Everyone (Coursera)
- ChatGPT Prompt Engineering for Developers
- Building Real-Time Video AI Applications (Nvidia)