

Pranshu Chawla

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EDUCATION

University of Toledo – B.S. in Computer Science Engineering
Toledo, OH – May 2025

TECHNICAL SKILLS

Languages & Frameworks: TypeScript, JavaScript, Python, React, Next.js, Node.js, Django, SQL

Backend: PostgreSQL, Supabase, Prisma, REST APIs, MongoDB, SQLite

Frontend: Tailwind CSS, MUI, Chart.js, Responsive Design

Testing & DevOps: Jest, GitHub Actions (CI/CD), Docker (basic), Vercel

Tools: Git, Linux, GitLab, VSCode

Core Concepts: Object-Oriented Design, Scalable Architecture, Authentication & Authorization, Accessibility, Continuous Integration, Agile Development

PROJECTS

Unbound – *Full-Stack Platform for Uplifting Reflections* [\[Live\]](#)

Tech: Next.js (App Router), TypeScript, PostgreSQL, Prisma, Auth.js, Tailwind CSS

- Designed and implemented a secure, scalable web application for real-time content sharing and user feedback.
- Built extensible backend APIs with modular architecture supporting post moderation and feedback loop.
- Integrated OAuth-based Google authentication with onboarding flow and protected routes for authenticated users.
- Developed an accessible, mobile-first UI using custom React hooks and Framer Motion for smooth interactions.
- Implemented soft-deletion flows and maintainable code structure for long-term scalability.

Daily Task Logger – *Personal Productivity & Visualization Dashboard* [\[Live\]](#)

Tech: React, Next.js, Supabase, PostgreSQL, MUI, Chart.js

- Architected a modular backend system to track task metrics and visualize consistency over time.
- Built responsive dashboards for user goal tracking with clean visual feedback using MUI and Chart.js.
- Developed reliable CRUD workflows focused on user experience, data integrity, and responsiveness.
- Iteratively improved workflows based on observed behavior during development and usage patterns.
- Leveraged Vercel's CI/CD system for seamless, automated production deployments.

Kindlore – *Personal Knowledge Organizer for Kindle Highlights* [\[In-Progress\]](#)

Tech: Next.js, TypeScript, PostgreSQL, Prisma, Auth.js, Tailwind CSS

- Designing a secure note-taking platform with encrypted storage and future role-based access capabilities.
- Created structured schemas for clippings, books, and reflections with deduplication and version tracking.
- Developing a modern, responsive UI with reusable React components for focused reading and journaling.
- Writing unit tests to ensure correctness and prevent regressions in a growing codebase.
- Adding GitHub Actions for automated linting, testing, and build verification.

WORK EXPERIENCE

IT Technician – College of Business

University of Toledo — Toledo, OH | Oct 2021 – May 2025

- Delivered in-person and remote tech support to over 300 students and faculty, resolving urgent and recurring technical issues.
- Maintained inventory and asset tracking systems, improving accuracy and reducing equipment-related delays.
- Authored internal documentation and onboarding guides to support team knowledge sharing and training.
- Collaborated with cross-departmental staff to troubleshoot system-level issues and ensure operational continuity.