

Pranshu Chawla

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EDUCATION

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

PROJECTS

Unbound – [\[Live\]](#)

A mindful, text-based platform for sharing reflections and uplifting thoughts.

- **Engineered and deployed a full-stack production platform** using Next.js (App Router), React, TypeScript, PostgreSQL, and Prisma
- **Designed a scalable relational schema** for users, posts, voting, flagging, and feedback, with moderation and soft-delete functionality
- **Integrated secure Google authentication** with onboarding flow, session handling, and conditional access control via NextAuth
- **Built robust RESTful APIs** for post creation, moderation workflows, feedback, and user profile management
- **Implemented custom React hooks and Framer Motion** for smooth, accessible, and mobile-friendly UI interactions
- **Set up transactional email system** (welcome + update emails) with Nodemailer and environment-based configuration
- **Emphasized maintainability and performance** with modular architecture, optimistic updates, and a clean, distraction-free UX

Tech: Next.js (App Router), React, TypeScript, PostgreSQL, Prisma, NextAuth, Tailwind CSS, Nodemailer

Daily Task Logger – [\[Live\]](#)

A personal productivity platform to track daily goals, log progress, and visualize consistency over time.

- **Built a modular, Supabase-backed backend** with full CRUD operations and per-task time tracking, modeled around microservice principles
- **Engineered responsive, accessible frontend dashboards** using MUI and Chart.js to deliver clear visual feedback and frictionless daily logging
- **Wrote integration tests for core logging flows** using Jest, ensuring data reliability across edge cases and regressions
- **Monitored performance and usage patterns** through Supabase logs and tailored optimizations for key user workflows
- **Deployed with automated CI/CD pipelines** via GitHub Actions and Vercel for fast, reliable updates

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

Kindlore – [\[In-Progress\]](#)

A personal knowledge platform to organize and reflect on Kindle highlights and book notes.

- **Developing a secure full-stack app** with Next.js, TypeScript, PostgreSQL, and Prisma, featuring Google auth, encrypted storage, and RLS
- **Designed scalable schemas** for users, books, clippings, and reflections with deduplication and structured note-taking APIs.
- **Implemented a clean, mobile-friendly UI** with modular React components and Tailwind CSS for focused reading and journaling.

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

WORK EXPERIENCE

IT Technician

College of Business, University of Toledo

Toledo, OH — Oct 2021 – May 2025

Provided tech support to 300+ users, maintained inventory systems, documented internal processes, and streamlined OS installations using setup tools.

SKILLS

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

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

Frontend: Tailwind CSS, MUI, Chart.js, Bootstrap

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

Tools & Systems: Git, Linux, GitLab, VSCode

Concepts: Authentication, Microservices, Object-Oriented Programming, Continuous Integration