

# 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

### Verses on Yoga – [\[Live\]](#)

*A digital reading experience designed to make ancient yoga scriptures more accessible, especially for first-time readers.*

- **Developed a mobile-optimized frontend** with Next.js and React, focusing on typography, spacing, and readability across devices
- **Connected to a MongoDB backend** to dynamically render multilingual text content (e.g., English, Sanskrit), with future extensibility in mind
- **Crafted a minimal, distraction-free design** that supports deep reading and spiritual focus, using soft visuals and intuitive navigation.

**Tech:** React, Next.js, MongoDB, JavaScript

## 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