

# KARTIKAY SINGH

• +91 6306081310 — kartikay.singh.0211@gmail.com — kartikaysingh.vercel.app — LinkedIn

## Experience

---

### Platform Engineer – Frontend Systems (Intern) — Warmpawz

Bengaluru, India (Hybrid)

Dec 2025 – Present

- Owning frontend system design for a multi-persona, production platform supporting web and mobile applications.
- Architected frontend flows supporting **3+ personas** (customers, vendors, admins) across web and mobile platforms.
- Defined frontend architecture using **React** and **Next.js**, with focus on scalable routing and performance.
- Optimized server and client state management using **TanStack Query** and **Zustand**, reducing unnecessary re-renders and improving UI responsiveness by **40–50%**.
- Improved frontend performance by **40–60%** through route-based data fetching and request deferral, while laying groundwork for **AWS serverless architecture**.

### Frontend Engineer – Application Architecture (Intern) — Diversity Assam

Remote

Nov 2025 – Present

- Owning end-to-end frontend development for a public-facing application serving **500+ daily users** using **Next.js** and **TypeScript**.
- Built and maintained **15+ production pages** using reusable, component-driven UI architecture.
- Managing state and API integration using **Redux Toolkit** and **RTK Query**.

### Technical Lead — VITrendz

Vellore Institute of Technology

Nov 2024 – Present

- Led development of the Hostels platform, a full-stack student-facing system used to browse hostels, room types, and related information.
- Designed frontend routing structure and database schemas to support hostel, block, and room-level views.
- Coordinated feature delivery and code reviews while guiding contributors across multiple student projects.

## Projects

---

### Campus Marketplace Platform — System Design & Implementation (Ongoing)

- Designed and implementing a scalable marketplace platform supporting **buyer–seller–admin workflows** using **Next.js** and **NestJS** in a monorepo setup.
- Implementing **PostgreSQL + Prisma** with connection pooling for optimized performance.
- Implemented role-based access control with **6+ planned core features** including listings, search, filters, chat, moderation, and analytics.

## Technical Skills

---

**Frontend:** React, Next.js, TypeScript

**State Management:** Redux Toolkit, RTK Query, TanStack Query, Zustand

**Backend:** Node.js, NestJS, Hono, REST APIs

**Database:** PostgreSQL, Prisma

**Cloud & Tools:** AWS, Cloudinary, Git, GitHub

## Education

---

### Vellore Institute of Technology

Integrated M.Tech – Software Engineering (CGPA: 8.44)

2028

Vellore, TN

## Certification

---

### The Ultimate React Course

Udemy

2024