

NAVNEET PATHAK

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Education

Graphic Era Hill University, Bhimtal

2022 – 2026

B.Tech in Computer Science and Engineering

Projects

Excalidraw (Collaborative Whiteboard) 🐙 GitHub

Tech Stack: Next.js, React, TypeScript, Node.js, Express, WebSockets, Turborepo, Git & GitHub

- Developed a collaborative whiteboard app with hand-drawn style shapes and real-time multi-user editing.
- Integrated WebSockets for live synchronization, ensuring sub-second updates across clients.
- Adopted Turborepo for monorepo management and GitHub for version control and CI/CD pipelines.

Secure Payment System 🐙 GitHub

Tech Stack: Node.js, Express.js, TypeScript, Next.js, NextAuth, PostgreSQL, Prisma ORM, Recoil, Turborepo

- Built a secure payment gateway module with passkey verification on the frontend and transaction validation algorithms on the backend.
- Designed robust REST APIs with PostgreSQL and Prisma ORM for transaction reliability and scalability.
- Implemented authentication & authorization using NextAuth and Recoil for state management.
- Adopted Turborepo to manage modular codebases and streamline deployments.

Portfolio Website * Live 🐙 GitHub

Tech Stack: React.js, Tailwind CSS, Vercel

- Developed a responsive portfolio website to showcase projects, achievements, and technical skills.
- Implemented smooth animations and UI components using React.js and Tailwind CSS.
- Deployed on Vercel with performance optimization, responsive design, and SEO enhancements.

Achievements

The Neural Nexus Hackathon

May 2025

Top 16 Finalist (out of 200+ teams)

Amazon ML School 2025

Aug 2025

Selected participant among nationwide applicants

Technical Skills

- **Languages:** JavaScript, TypeScript, C/C++, PSQL
- **Frontend:** Next.js, React.js, HTML5, Tailwind CSS
- **Backend:** Node.js, Express.js, REST APIs, JWT, WebSockets, NextAuth.js
- **Databases:** MongoDB, PostgreSQL
- **DevOps & Tools:** Git, Docker, Postman, Prisma ORM, AWS (EC2, S3), CI/CD, Turborepo
- **CS Fundamentals:** Data Structures & Algorithms, Database Management Systems, Operating Systems, Computer Networks, System Design
- **Concepts:** Monorepo Architecture, Authentication & Authorization