

NIKUNJ SAINI

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EDUCATION

B.Tech in Computer Science and Engineering

2023 - 2027

Shobhit University, Gangoh

CGPA: 8.31 (till 6th semester)

Intermediate (Class XII) and High School (Class X), CBSE

2018 - 2022

Intermediate: 83% | High School: 90%

PROJECTS

PerformX : High-Performance Analytics REST API

[GitHub](#) | [Live Demo](#)

Go, net/http, SQLC, PostgreSQL, pgxpool, Next.js 15, JWT, OAuth 2.0

- Built PerformX, a full-stack football performance-rating platform for the FIFA World Cup 2026, where fans score matches and players out of 10, write reviews, and engage via threaded comments and likes.
- Architected a stateless, horizontally scalable REST API in Go using net/http and SQLC, eliminating ORM reflection overhead to achieve sub-10ms response times.
- Reduced analytics query latency from 500ms to <5ms by engineering an asynchronous Goroutine worker that pre-computes rolling-window trending scores in the background.
- Prevented database connection exhaustion during peak traffic spikes by configuring PostgreSQL connection pooling (pgxpool) with active idle eviction.
- Optimized global read throughput by building a Next.js 15 SSR frontend with edge caching, offloading roughly 75% of database read requests from the primary API.
- Secured stateless user authentication across distributed API nodes by implementing custom JWT middleware integrated with OAuth 2.0 and email OTP verification.

Eventyy : Scalable Event Management Platform

[GitHub](#)

React.js, Express.js, PostgreSQL, Prisma, Vite

- Developed a full-stack university event management platform using React 19, Node.js, and PostgreSQL to coordinate fests, seminars, and competitive tournaments.
- Architected a secure, role-based access control (RBAC) system with JWT and OTP-based email verification to manage permissions for Admins, Coordinators, and Students.
- Engineered complex database schemas using Prisma ORM to handle solo/team registrations, automated player-vs-player (PvP) bracket progressions, and dynamic leaderboards.
- Integrated Cloudinary and Multer to build a secure file upload pipeline for university badge verification and automated participant approval workflows.
- Deployed the frontend on Vercel and backend on Render, optimizing client-side performance with Vite.

Campus Ride Sharing Platform

[GitHub](#) | [Live Demo](#)

MongoDB, Express.js, React, Node.js, OpenStreetMap, OSRM

- Developed a full-stack campus ride-sharing application using MERN, enabling students to seamlessly offer and request rides.
- Integrated OpenStreetMap and OSRM routing for smart route matching, providing interactive maps, estimated times, and selectable alternative routes; used by 10+ students in the university.
- Built a secure, production-ready backend with JWT authentication, rate limiting, compression, and Helmet for HTTP header security.
- Engineered driver and rider dashboards to manage trip requests, incorporating an automated seat-locking mechanism and a user rating system.

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Go, Python

Frontend: React.js, Tailwind CSS, Next.js

Backend: Node.js, Express.js, FastAPI, Golang

Databases: MongoDB, Redis, PostgreSQL

DevOps: Git, GitHub, Docker, AWS EC2

Core: Data Structures, Operating Systems, DBMS, OOPs, Computer Networks

ACHIEVEMENTS

- Solved 550+ DSA problems across LeetCode, GeeksforGeeks, and Codeforces; achieved a LeetCode rating of 1670+.
- Runner-Up, University Hackathon, designed and implemented a Student Management System.
- Secured Global Rank 793 among 35,000 participants in LeetCode Weekly Contest 464.