

Tushar Singh

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EDUCATION

B Tech • Computer Science

KIET Group of Institutions - AKTU • Delhi NCR

2022-26

EXPERIENCE

RoastNest • Remote • Intern

April 2025 - July 2025

Backend Engineer

AWS, Typescript, Express.js, Next.js, PostgreSQL

- Working on software infrastructure and back-end development.
- API Creation and 3rd-party API Integration.
- Contributing to front-end operations with Next.Js.

Sergul Computer Institute • Remote • Freelance

Sept 2024 - Feb 2025

Fullstack Developer

PHP, Laravel, rest APIs, MySQL, React

- Developed backend for admin panel managing student data and operations.
- Managed frontend and deployed the application on cPanel (GoDaddy).
- Implemented SSL security using Certbot and managed certificates.

FOSSCU-K • Community Outreach Lead

Dec. 2023 - July, 2024

- Fostered college collaborations, enhancing outreach.
- Organized events on Linux, Web3, Open-Source, and Python. Delivered talks on Open-Source, Python, and Django.

PROJECTS

blog21 🔗

Full-Stack Blog Platform

Python, Django, Jinja2, PostgreSQL, Docker

- Built a blog app with authentication, admin panel, and CRUD features using Django and Jinja2.
- Containerized with Docker and used PostgreSQL for production-grade database management.
- Deployed via ngrok with CSRF protection and a modular Django architecture.

Expense Tracker 🔗

Personal Finance Tracking Web App

React, Firebase, TailwindCSS

- Created a responsive dashboard in React with Google OAuth and real-time Firestore syncing.
- Designed custom hooks for tracking income, expenses, and net balance dynamically.
- Styled with TailwindCSS for a clean, mobile-friendly user interface.

KIET Ka IRCTC 🔗

Campus Train Ticket Exchange Platform

Next.js, Supabase, JavaScript

- Built a responsive platform for students to list and find train tickets during festive seasons, reducing travel issues.
- Integrated Supabase Auth with PostgreSQL for secure signups, logins, and user-specific ticket management.
- Implemented search with origin/destination filters and direct contact options via call/WhatsApp.

Volunteer Yatra 🔗

Landing Page for a Service Providing Company

JavaScript, Next.js, TailwindCSS

- Developed responsive landing page showcasing frontend skills.
- Utilized TailwindCSS for design and responsiveness.

A Commodity Management Backend Server 🔗

A backend server for product management

Python, API, REST, Django Rest Framework

- Developed product management with token-based authentication.
- Defined user groups with varied permissions.

SKILLS

Languages: Python, JavaScript, Typescript, C++ HTML, CSS

Frameworks & Libraries: Django Rest Framework, Flask, FastAPI, Node.js, React.js, Next.js, express.js, TailwindCSS

Tools & Technologies: Docker, Postman, Linux, Git, GitHub, Prisma, Knex, AWS, ngrok, PostgreSQL, MySQL, MongoDB

LEADERSHIP, ACHIEVEMENTS, AND VOLUNTEERING

- Led the team, and **won the first Hackathon** organized by FOSSCU-K
- Volunteered in Backend Development at FOSSCU, an Open-Source Community
- Good Understanding of Data Structures and Algorithms
- Organized an Open-Source Event FossConf'24 as a core team member
- Participated in HackCBS 6.0 Hackathon and won multiple tracks
- Got accepted in season 6 of Solana