Tushar Singh

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SUMMARY

- Full-stack engineer with 2+ years experience building high-traffic web applications using Python, TypeScript, Django, and React/Next.js.
- Skilled in scalable backend systems, responsive UI, cloud deployment (AWS, Docker), and web scraping.
- Active competitive programmer with strong problem-solving and algorithmic thinking.

EXPERIENCE

- **RoastNest [Website]** *April 2025 - July 2025*
  Backend Engineer Remote, Intern
  - Built backend infrastructure with RESTful APIs, integrating 3+ third-party services to extend core functionality.
  - Created and managed GitHub Apps for feedback and authentication workflows, while ensuring database reliability with zero downtime.
  - Contributed to frontend development with Next.js, improving user experience and reducing page load time by 20%.

- **Sergul Computer Institute [Website]** *Sept 2024 - Feb 2025*
  Fullstack Developer Remote, Freelance
  - Delivered a platform now supporting 2000+ active users.
  - Developed backend for admin panel to manage student data and daily operations.
  - Built and maintained the frontend, deploying the application on GoDaddy (cPanel).
  - Implemented SSL security with Certbot and managed certificate renewals.

PROJECTS

- **Blog21** GitHub
  A full-stack Blog Web Application with user authentication, deployed using Docker for containerization.
  * Developed models, templates, and user authentication, Deployed using Docker for containerization.
  * Stack Used: Python, Django, Jinja, Docker
- **Padhle Bhaiii (1000+ Users)** GitHub Deployed Link
  A note-sharing platform for students with responsive UI, OAuth authentication, and data management.
  * Built with secure OAuth 2.0 authentication system with responsive design, serving 200+ active student users.
  * Implemented efficient state management using Redux and optimized note sharing workflows.
  * Stack Used: React, Supabase, TailwindCSS
- **Commodity Management Backend** GitHub
  A backend server for product management with token-based authentication.
  * Developed product management with token-based authentication, defining user groups with varied permissions.
  * Stack Used: Python, Django Rest Framework, REST API

SKILLS

- **Languages:** Python, JavaScript, TypeScript, C++, SQL
- **Web Technologies:** Django, FastAPI, Selenium (Automation), Node.js, React.js, Next.js, Express.js, TailwindCSS
- **Database Systems:** PostgreSQL, MySQL, MongoDB, SQLite
- **Cloud & DevOps:** AWS, Docker, Git, GitHub, Linux, GitHub Actions, CI/CD
- **Other Tools:** Postman, Prisma, Knex, ngrok, Selenium (Automation), BeautifulSoup (Web Scraping)

EDUCATION

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  KIET Group of Institutions - AKTU *2022 - 2026*
  B Tech, Computer Science Delhi NCR

LEADERSHIP, ACHIEVEMENTS, AND VOLUNTEERING

- Led the team and **won the first Hackathon** organized by FOSSCU-K
- Volunteered in Backend Development and served as Outreach Lead at FOSSCU, an Open-Source Community
- Contributed in 5+ Open-Source Projects.
- Solved 250+ DSA problems using object-oriented programming languages. Competitive Programming Portfolio
- Participated in **HackCBS 6.0** Hackathon and won multiple tracks
- Got accepted in **Solana's Turbin3 Q4**, a cohort focused on blockchain development with Rust programming language in the Solana ecosystem