Kushal Kumar Saha

🔗 Portfolio • **Full Stack Developer**

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Skills

LANGUAGES
JavaScript • Python • TypeScript
HTML5 • CSS3 • SCSS • C++ • C

FRAMEWORKS + LIBRARIES
Next • React • Tailwind • NodeJS
Astro • Express • Django • Flask
Gatsby • Discord.py • Vue • Nuxt

DATABASES
MySQL • PostgreSQL • Redis
MongoDB • Cassandra • GraphQL

TOOLS
Docker • Git • NGINX • Prisma

Education

ST XAVIERS COLLEGE
B.Sc. Computer Science | 2020-23
CGPA: 8.58 out of 10

ISC (12ᵗʰ): 95.0%
Salt Lake Point School | 2018-20
Comp: 100 | Math: 99

ICSE (10ᵗʰ): 92.4%
St Augustine's Day School | 2018
Comp: 99 | Math: 99

Hackathons

DU HACKS 3.0 | Pipme
24-26 Feb '24 | New Delhi
- A one-step python package bundler to PyPI from local PC
- *msvcrt, linux, Python*

HACKSTREETS 2.0 | Gittify
3-4 Feb '24 | Online
- Built GitHub contribution push automation for users, installed installed locally on user's PC
- *Automation, PIP, Bash, Python*

Professional Experience

FULL-STACK WEB DEV INTERN | MakeIndias
October 2023 – April 2024 | BHU, Varanasi
- Managed a stronghold of company data, leveraging TS, Mongo and Django(backend) to ensure efficient client handling, scaling responses horizontally to meet client requirements
- Deployed and managed Ed.Line: edtech app, to scale to a user base of over 1200, leveraging cluster nodes and asyncio
- Led a team of 8 software developers into building ecommerce application in Next and Cassandra.

Projects

SHOPSPHERE | Multi-vendor e-commerce application
GitHub • Live | January 2024 – March 2024
- Developed ecomm app to support small-scale vendors locally, which performed effectively for 85+ clients and 2K+ shoppers.
- *Next, TS, Tailwind, MUI, Prisma, Supabase, Mongo, Redis, Docker*

ED.LINE, ED.TEACH | Multi-user edtech platform + admin panel
GitHub • Live | December 2023 – February 2024
- Scaled and developed an edtech platform with educator side too, which scaled to a user base of 3.7k+ active users in total.
- *Django, SCSS, Firebase, Mongo, Redis, NGINX*

MINIFY | URL shortening service
GitHub • Live | December 2023 – January 2024
- Built a SPA to let users share custom URLs and catch traffic statistics which improved overall user retention by 21.4%
- *Next, TS, Tailwind, Cassandra, Redis, Docker*

Open-Source Contributions

REDIS LTD. | TCP connection issue resolve
GitHub | December 2023
- Built a waiting microservice to resolve Redis issue of TCP waiting.
- Shell code awaits till both TCP and user are ready

BEAUTIFISH.PY | Console decorator & Icons library
GitHub | February 2024
- Added towards v2.2.1, pushing mcvrt from global to windows scope