TANMAY SHARMA

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EDUCATION

Bachelor of Computer Science, Innopolis University   Expected 2025
Major in Software Development

SKILLS

Programming Languages	Python, TypeScript/JavaScript
Databases	PostgreSQL, MongoDB
Development Frameworks	FAST API, Nodejs, React/Nextjs
DevOps	Docker, Kubernetes, Terraform, Git CI/CD
Cloud	AWS Amplify, Vercel

EXPERIENCE

Software Engineer   Nov 2023 - Present
Lyzr   *USA (Remote)*

- Developed a series of web applications using FastAPI to serve more than 10000 users.
- Integrated third-party AI models to internal services used in 3 microservices.
- Optimized code for performance and reliability, resulting in a 40% reduction in application load times.
- Created CI/CD pipeline to host apps to AWS cloud to automate app deployment to increase team productivity by 10%.

Backend Developer   March 2023 - Present
Teamforce   *Kazan*

- Developed a NLP based search engine that parses open source repositories based on a search query and displays them in ranked order of their relevance to the query using LLMs.
- Improved the efficiency of the parser and the summariser resulting in reducing search time from 5 minutes to 82 seconds average using multithreading.

PROJECTS

PyRedis Developed a Python clone of Redis database featuring replication and RDB persistence. Implemented robust features akin to the original Redis, ensuring data integrity, scalability, and high performance.

InnoShop Architected and built a robust backend for Innoshop, an ecommerce website, integrating essential features like authentication, seamless cart management, and a secure payment system.

Not a Coin Designed and implemented a proof-of-work blockchain tailored for registering NFTs, encompassing essential blockchain functionalities such as mining, block verification, Merkle tree, and ownership verification.

CERTIFICATES AND AWARDS

- Certificate of Merit for Scoring **100 percent** marks and securing place in **0.01%** of students all over India in the final of Computer Science Examination from Central Board of Secondary Education, Delhi. **(06/2019)**
- Two times winner of GoOpenSource Hackathon securing 1st and 2nd place.