

# Ganesh Sharma

+91 8802130983 | [ganesh.sharma.work@gmail.com](mailto:ganesh.sharma.work@gmail.com) | [linkedin.com/in/ganesh-sharmaz](https://linkedin.com/in/ganesh-sharmaz) | [github.com/Ganesh-Sharmaz](https://github.com/Ganesh-Sharmaz)

## EDUCATION

### Raj Kumar Goel Institute of Technology, Ghaziabad

Bachelor of Computer Science Engineering – Data Science | 7.65 CGPA

Uttar Pradesh, 201009

Nov. 2022 – Nov. 2026

- Relevant Coursework: Data Structures, Operating system, Computer Networks, DBMS, Big Data Analytics

### DHTSVM (CBSE Board), Ghaziabad

12<sup>th</sup> PCM | 81.6 %

Uttar Pradesh, 201009

April 2020 – Feb.2021

## TECHNICAL SKILLS

**Languages:** JavaScript, TypeScript, Python, Java, HTML, CSS

**Frameworks:** Nextjs, React, Flask, Express, Django

**Libraries:** Jest, TailwindCSS, shadcn/UI, Mongoose, Redux, React-router

**Databases:** PostgreSQL, MongoDB, Firestore

**DevOps:** Docker, GitHub, workflow(CI/CD), Netlify, Vercel, Render, Digital Ocean, Firebase

**Tools:** Git, VS Code, Postman, Selenium, SonarQube.

**Software Practices:** Agile, SDLC, Debugging & Troubleshooting.

**Soft Skills:** Leadership, Problem-Solving, Brainstorming

## EXPERIENCE

### FrontEnd Developer Intern

March 10, 2025 - Present

Makunai Global Ltd.

Sector-3, Noida, 201301

- Tech & Tools used: **Next.js (14 to 15), TypeScript, JIRA, Jest, ESLint, Husky, GitHub, Git, Postman, Redux, Grafana, Digital Ocean, SonarQube**
- Led key frontend modules for SEO-driven blog and gallery pages using Next.js and TypeScript, optimizing API calls and implementing pagination, improving **Lighthouse performance from 60 to 90+**.
- Collaborated in Agile sprints with cross-functional teams via JIRA, actively participating in standups, sprint planning, and retrospectives—demonstrating strong **SDLC understanding and team coordination**.
- Migrated the platform from **Next.js 14 to 15**, improving Core Web Vitals (LCP, CLS, INP) and reducing load times by **30%+** through performance profiling and debugging.
- Engineered scalable B2B CRM modules with robust business logic; managed frontend caching to balance real-time accuracy and speed, reducing API calls and loading times while handling **thousands of records efficiently**.
- Diagnosed and resolved real-time production issues, implemented hotfixes, and optimized APIs through selective population—showcasing strong **troubleshooting and debugging skills**.
- Authored Jest-based unit tests to improve component reliability; enforced code quality with ESLint and Husky for error-free collaboration in a fast-paced environment.

## PROJECTS

### SHNK – Developer CLI Automation Tool | Python, Inno, SourceForge.net



- Reduced frontend app setup time by over 80% by automating** the entire scaffolding process — from initializing the project to running it locally **with pre-installed and configured TailwindCSS** in just one command.
- Developed a CLI interface with rich terminal UI, making it intuitive even for **non-technical users to create production-ready apps without touching the codebase** or terminal.
- Focused on developer-centric UX, using **Python's rich library** for a polished interface.
- Built a **distributed .exe using PyInstaller** and crafted a **Windows installer using Inno Setup** to ensure frictionless onboarding for end users — even those without Python installed.

### StorageBuddy | TypeScript, NPM, Manifest.json



- Developed StorageBuddy a lightweight, Type-safe and Zero Dependency library for **seamless LocalStorage, SessionStorage, and Cookies Management**, Optimized for performance.
- Achieved 325+ Downloads on NPM**, demonstrating active adoption and Community Interest.
- Engineered a **Library to reduce boilerplate code and JSON Parsing and Encoding** while managing the Cookies and SessionStorage while maintaining the size of 808B minified and 19.5KB unpacked package, ensuring minimal footprint and efficiency.

## *YapperAI / React, JavaScript, TailwindCSS, Firebase, React-Markdown, Vercel*



- Developed Yapper AI, a chatbot with dynamic, trend-inspired companions powered by Gemini-Flash-1.5 model and Gemini API, supporting real-time conversation with **50 active user 100 page visits daily**.
- Engineered a responsive UI using ReactJS and Tailwind CSS, **achieving a 98% performance score on Lighthouse** across web metrics.
- Improved efficiency by **utilizing prop drilling, code splitting and lazy loading** ensuring smooth and optimized experience.

## CERTIFICATIONS

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- Introduction to Data Science with Python | University of Michigan | Coursera | Dec 2023

## ACHIEVEMENTS & INTERESTS

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- Hackathon winner – Secured 1<sup>st</sup> place in college hackathon (Project Ace) by developing a storage management library.
- Open-Source Contributions – Actively maintain and contribute to SHNK, StorageBuddy and YapperAI, improving adoption and performance.
- Passionate about AI-Driven applications, performance optimization, and scalable system design.