

Nikhil Kumar Gupta

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EDUCATION

Indian Institute of Information Technology, Gwalior
Bachelor's of Technology in Computer Science and Engineering

Madhya Pradesh, India
August 2019 – July 2023

EXPERIENCE

Software Engineer

Farmako Healthcare (YC-S20) | Homepage | HealthTech

- Implemented a revenue-generating API that empowers external partners within the esteemed **Government ABDM Infrastructure** using **GoLang**.
- Developed an **AI chatbot using ChatGPT, OCR, and Python** to revolutionize health-related query resolution and optimize medicine delivery logistics, resulting in **highly successful investor meetings** and attracting new funding partners.
- Architected advanced **authentication system for seamless API proxy management**.

Gurugram, India

July 2022 – Present

Software Engineer Intern

Farmako Healthcare (YC-S20) | Homepage | HealthTech

- Engineered and automated adaptive **Design System** for web platform deployments, showcasing expertise in server-side rendering and **framework-agnostic** capabilities.
- Championed performance optimizations, leading to impressive **80% reduction** in application response time, drastically enhancing user experience.
- Devised and executed comprehensive **Logging & Auditing system**, streamlining error record retrieval and bolstering error management.

Gurugram, India

December 2022 – June 2022

Frontend Engineer Intern

Zaamo | Homepage | Fashion E-Commerce

- Architected innovative **micro-frontend architecture** using Next JS, GraphQL, and WebGL technologies, delivering remarkable 30% performance surge.
- Conceptualized and executed tailored caching solution, effectively slashing backend load by substantial 50%.
- Pioneered internal **code libraries** and optimized UI components, driving high performance and seamless modularization.

Delhi, India; Remote

March 2022 – August 2022

PROJECTS

Video Social | *ReactJS, WebRTC, Stripe, NodeJS, Firebase* | GitHub

December 2021

- Engineered real-time **peer-to-peer** social platform, seamlessly facilitating encrypted video calls and chats. The platform doubles as a Progressive Web Application (PWA), ensuring an immersive user experience.
- Developed an intelligent **suggestion engine** that leverages mutual connections to provide personalized friend recommendations, enhancing social interactions.
- Led the implementation of a robust **role-based call-credit** system, expertly managing **payment failure scenarios** to ensure flawless call initiation and a seamless user journey.

Imcrypt | *NodeJS, Cryptography, Command Line* | GitHub

December 2021

- Architected a **lightweight Node JS command line tool** dedicated to **image encryption and decryption** using advanced cryptographic techniques.
- Demonstrated the utility and significance of the tool by publishing it on npm, with an impressive **500+ downloads**, thereby contributing value to the broader developer community.

ACHIEVEMENTS

Google Hashcode 2021

Theme: Coding Competition

Google Hashcode 2022

Theme: Coding Competition

396th Global and 60th India

February 2021

612nd Global and 95th India

February 2022

TECHNICAL SKILLS

Domain Knowledge: Micro-Frontends, Web Development, CI/CD, WebRTC, WebGL, API Design, GraphQL, Authentication and Authorization, Docker, Linux, Automation, System Design, Database.

Languages: Golang, Typescript, Python, C++, Rust.

VOLUNTEERING

Google Developer Student Club

Web Development Lead

- Conducted career exploration sessions in Computer Science, emphasizing Web Development's future potential.

Gwalior, India

AASF

Bootcamp Mentor

- Guided a month-long Web Development Introductory session for 150+ freshman students, teaching foundational concepts.

Gwalior, India