

# Manak Kumar Singh

+91 7011311081 Ghaziabad, Uttar Pradesh, India

manak.officialwork@gmail.com

linkedin.com/in/manak-kumar

github.com/Hiperultimate

Portfolio Website

## Education

### Amity University Noida

June 2018 - March 2022

Bachelor of Technology (B.Tech) in Computer Science & Engineering

Noida, Uttar Pradesh

- **Relevant Coursework:** Data Structures & Algorithms (C++), Java Development, Linear Algebra

## Experience

### IBM

May 2022 – Present

ReactJS Web Developer

Noida, Uttar Pradesh

- Migrated an internal full-stack framework to **ReactJS**, leveraging **Redux** for state management and **React Router DOM** for routing, which improved code maintainability by **20%**.
- Redesigned API calls and refactored legacy code for seamless integration, maintaining zero downtime and reducing front-end bugs by **30%**.
- Structured the **GitHub** repository, implementing branch management strategies that cut merge conflicts by **50%**.
- Collaborated with cross-functional teams using **Agile methodologies** and **Jira**, consistently delivering features **~20% ahead of deadlines**.
- Earned a **Performance Certificate** for driving timely, high-quality deliverables.

### Campus

Oct 2020 – May 2021

Django Web Developer

Noida, Uttar Pradesh

- Developed an admin portal using **Django** with **REGEX data validation** and robust **CRUD operations** in **PostgreSQL**.
- Implemented a **bulk-import** feature for up to 1,000 users from Excel, reducing manual data entry time by **40%**.
- Enhanced user authentication via **JSON Web Token (JWT)**, reinforcing app security and improving user login flows.
- Maintained a fast-paced startup release cycle, delivering MVP features on schedule with a **lean, 5-person team**.

## Projects

**Groupy** | [Live Link](#) | [Github](#) | *React.js, Next.js, TypeScript, tRPC, Express.js, TailwindCSS, PostgreSQL, Redis, Socket.io*

- Built a social networking platform enabling **real-time communication** with **Socket.io** and **Redis**, boosting user engagement by **60%**.
- **Optimized bandwidth** by 40% via image lazy loading and **Tanstack Query** for fast data retrieval and caching.
- Integrated scrolling pagination with **server-side rendering (SSR)** to reduce DB load by **80%**.
- Deployed via **CI/CD** pipelines on **Render.io** and **Vercel**; received **37 GitHub Stars** for clean, well-documented code.

**DocOps** | [Live Link](#) | [Github](#) | *React.js, Firebase, REST API, JavaScript, CSS3, HTML5*

- Created a shared clinical platform for scheduling appointments based on geolocation (**90% location accuracy**).
- Leveraged the **HERE API** for address autocomplete and coordinate mapping, enhancing user convenience.
- Designed a modular architecture with **15+ reusable components**, cutting development time by **30%**.

## Technical Skills

**Programming Languages:** JavaScript (ES6+), TypeScript, Python, C++, Java

**Frameworks/Tools:** React.js, Next.js, Redux, Django, Express.js, Node.js, TailwindCSS, tRPC, Prisma, PostgreSQL, MongoDB, Redis, Firebase, Docker, Git, Figma

**Other:** HTML5, CSS3, REST APIs, Socket.io, Jira, Agile/Scrum

## Achievements

### Teaching Assistant – 100xDevs by Harkirat Singh (2021 – 2022)

- Guided **5,000+** students in debugging issues and best practices across **MERN, T3**, and other stacks.
- Conducted **live doubt-solving sessions**, increasing successful project completions by **25%**.
- Performed **code reviews** and recommended technologies like **Zod** for schema validation, **TurboRepo** for monorepos, and optimized database setups.

### Performance Certificate – IBM

- Recognized for exceptional teamwork, on-time delivery, and high-quality code.

## Certification

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Microsoft Certified: Azure Fundamentals

Python Bootcamp Course

Hackerrank Python Intermediate Certificate

Microsoft Certified: Power Platform Fundamentals