

# ARKOPRAVO GHOSH

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## Summary

Software Developer with expertise in full-stack web development, specializing in the **MERN stack**, **Next.js**, and **TypeScript**. Passionate about building scalable, user-friendly applications with strong authentication, real-time collaboration, and AI-driven functionalities. Proficient in **frontend**, **backend**, and **cloud-based deployments** with a deep understanding of **data structures**, **algorithms**, and **system design**.

## Education

Techno Main Salt Lake, India

2020 - 2023

- Bachelor of Technology | CGPA: **8.72**

## Technical Skills

- Programming Languages:** C++, JavaScript, TypeScript, HTML, CSS
- Frontend Technologies:** React.js, Next.js, Redux, Tailwind CSS, Bootstrap, ShadCN UI
- Backend Technologies:** Node.js, Express.js, REST APIs, Authentication (JWT, Clerk)
- Databases:** MongoDB, MySQL
- Cloud & DevOps:** Vercel, GitHub Actions, Cloudinary, Razor pay
- Concepts:** Object-Oriented Programming (OOPs), Data Structures & Algorithms, DBMS, Operating Systems, Networking

## Projects

### Sensai – AI-Powered Career Guidance Platform ([Live](#))

*Tech Stack:* Next.js, React.js, TypeScript, Tailwind CSS, ShadCN UI, Clerk, Gemini API

- Developed an AI-powered career coaching platform, improving user engagement and job readiness.
- Built an AI-driven resume builder & cover letter generator, increasing job application success rates by **50%**.
- Integrated AI-based interactive interview preparation quizzes, boosting interview success rates by **35%**.
- Secured authentication with Clerk, reducing unauthorized access by **40%**.

### Live-Docs – Real-Time Collaboration App ([Live](#))

*Tech Stack:* Next.js, TypeScript, Tailwind CSS, ShadCN UI, Clerk, Liveblocks, Vercel

- Developed a **real-time document collaboration** platform, enhancing productivity by **40%**.
- Integrated Liveblocks for seamless **multi-user editing**, reducing content update delays by **50%**.
- Implemented secure authentication with Clerk, improving login success rates by **20%**.
- Optimized deployment with **GitHub Actions & Vercel**, achieving **99.9% uptime**.

### StudyNotion – Full-Stack EdTech Platform ([Live](#))

*Tech Stack:* React.js, Next.js, Node.js, Express.js, MongoDB, Tailwind CSS, Redux, Cloudinary, Razorpay, JWT, Nodemailer

- Developed a full-stack **EdTech platform**, increasing course enrollments by **35%**.
- Implemented **secure authentication (JWT, OTP verification)**, reducing unauthorized access by **40%**.
- Optimized media handling with **Cloudinary**, improving upload speed by **50%** and reducing load times by **30%**.
- Integrated **Razorpay** for seamless transactions, achieving a **99.8% payment success rate**.

## Work Experience

### LetsGrowMore | Web Developer Intern (*Sep 2023 - Dec 2023*)

- Developed **dynamic, responsive web applications** using React.js, increasing user engagement by **25%**.
- Translated UI/UX wireframes into optimized code, ensuring **pixel-perfect implementation**.
- Refactored and optimized legacy frontend code, reducing load times by **40%** and improving performance.

## Achievements

- Solved **200+ questions** on [LeetCode](#).
- Solved **1100+ questions** on [Coding Ninjas](#).
- Built multiple production-ready applications deployed on [Vercel](#).