

DEEPAK SINGH

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EDUCATION

Kamla Nehru Institute Of Technology, Sultanpur
B.Tech - Information Technology - CGPA - 8.33

Nov 2022 - Present
Sultanpur, Uttar Pradesh

EXPERIENCE

SoundSpire ↗

Full Stack Developer Intern

Jan 2026 - Present

- Developed and optimized scalable web pages using Next.js and TypeScript, implementing SSR/SSG, reusable components, and modular architecture to improve performance and SEO.
- Integrated frontend features with APIs, handled state management, resolved UI bugs, and followed best practices for type safety, code reusability, and responsive design.

UdrCrafts.com ↗

Full Stack Developer Intern

Sep 2025 - Nov 2025

- Developed a fully functional Admin Panel for an online handicrafts and home decor marketplace using React.js, enhancing platform management efficiency.
- Orchestrated interactive charts and dashboards using Chart.js while building a responsive, modern UI with Material UI and Tailwind CSS, improving data accuracy and user experience.

PROJECTS

PublicEye - Public Services Transparency Platform ↗ | *MERN, Blockchain, Solidity, Hardhat, Metamask*

- Architected a full-stack platform to enhance government transparency by tracking public projects, contracts, and expenditures in real time.
- Engineered a decentralized verification system employing blockchain technology, securing multiple public service transactions against tampering and ensuring immutable, transparent records for improved citizen oversight.
- Designed and integrated secure citizen modules for feedback submission, report submission, and project monitoring and progress tracking using RESTful APIs and MongoDB.

NeoCube - AI Powered Learning Platform ↗ | *React, Node.js, Express.js, MongoDB, JWT, Google Gemini API*

- Architected an AI-powered learning platform using the MERN stack and Google Gemini API, enabling the automated generation of structured technical roadmaps with real-time resource curation and gamified progress tracking.
- Engineered a resilient backend architecture with Node.js and Express, implementing custom regex-based JSON extraction algorithms and self-healing data logic to sanitize LLM outputs and prevent application crashes.
- Designed a high-performance, interactive frontend using React, Vite, and Framer Motion, featuring a responsive "hex-grid" visualization system, JWT authentication, and optimistic UI updates for seamless user experience.

Dtube - Video Sharing Platform ↗ | *ReactJS, TailwindCSS, Node.js, Express.js, MongoDB, Cloudinary, JWT*

- Built a full-stack video streaming platform using React, Node.js, Express, and MongoDB, supporting 100+ video uploads, real-time comments, likes, watch-later, and user-managed playlists.
- Optimized backend performance using MongoDB aggregation and pagination, enabling sub-200ms API responses for video feeds and playlist queries under concurrent user access.
- Added video processing workflows including compression, thumbnail generation, and smooth streaming with a responsive React UI.

POSITION OF RESPONSIBILITY

Programming and Techskills Club, KNIT

Design Head

Dec 2023 – Present

- Led and organized 10+ online coding contests and hackathons, created multiple programming challenges, authored detailed editorials, and coordinated 20+ club events — boosting member participation by 50% and promoting peer-led skill development.

Career Development Cell, KNIT

Training and Placement Representative

Feb 2024 – Present

- Coordinated and managed recruitment initiatives by collaborating with 20+ companies, guiding over 300 students throughout the placement process, and achieving a 35% improvement in overall placement success compared to the previous year.

SKILLS

Languages: Scala, Python, C, C++, JavaScript, HTML, CSS

Libraries and Frameworks: Tailwind, Bootstrap, Material UI, React, NodeJS, ExpressJS

Databases: MongoDB, Mysql

Web3: Blockchain, Solidity, Hardhat, Metamask

DevOps Linux, AWS, Docker

Coursework: DSA, DBMS, OOPs, Computer Networks, Operating Systems

Soft Skills: Collaboration, Effective Communication, Data-Driven Decision-Making, Flexibility

ACHIEVEMENTS

- Rated 4 Star on CodeChef
- Rated Expert on Codeforces
- Rated Knight on LeetCode
- ICPC'24 Rank 2000 among 5000+ teams
- Tesseract'2K26 Rank 5 among 200+ participants contest hosted by IIIT Vadodara.
- HackByte 3.0 Finalist hosted by IIIT DMJ
- Open Source Contributor at LLM4S Foundation