SHIVAM KUMAR

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SUMMARY

Ambitious Computer Science student (graduating 2025) with expertise in full-stack development (MERN, Next.js) and AI integration. Built scalable projects like an AI-powered website builder (Buildbit) and a secure coding platform (Algocrack). Passionate about solving real-world problems with modern tech stacks.

EXPERIENCE   (personal Projects)

Buildbit   Repo ↗ Live Link ↗

Next.js, AI Integration, Prisma, PostgreSQL, Typescript

- Created an AI-driven platform where users generate websites via prompts and edit them using a drag-and-drop editor.
- Integrated AI (Gemini) to convert natural language prompts into functional HTML/CSS code.
- Enabled code export/download as ZIP and deployed on AWS.
- Secured application with next-auth and optimized UI for a 95% user satisfaction rate.

Algocrack   Repo ↗ Live Link ↗

TurboRepo, Next.js, Docker, WebSockets, Prisma,

- Developed a LeetCode like coding platform with real-time code execution and secure Docker-based sandboxing.
- Built an admin panel for problem curation and integrated JWT with next-auth to secure judge server.
- Reduced code execution latency by 40% using WebSocket optimizations and load balancing.
- Ensured security by isolating user code in Docker containers, preventing 100% of external attacks.

Vault Crypto Wallet   Repo ↗ Live Link ↗

React, Ethers.js, Solana, Bip39

- Designed a multi-chain crypto wallet supporting Ethereum/Solana with beautiful UI.

EDUCATION

Bachelor of Technology   2021 - 2025

Choudhary Charan Singh University

- Major in Computer Science.

SKILLS

- **Frontend:** React, Next.js, TypeScript, Tailwind CSS
- **Backend:** Node.js, Express, REST/GraphQL, WebSockets
- **Databases:** MongoDB, PostgreSQL, Prisma, Redis
- **DevOps:** Docker, AWS, CI/CD, Serverless
- **Blockchain:** Solidity, Ethers.js, Web3.js
- **Tools:** Git, TurboRepo, Bun