

# Harsh Kumar

## Full Stack Developer

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## WORK EXPERIENCE

### Full Stack Developer – Apptroid Technologies Pvt. Ltd.

Aug 2025 – Present

- Developed and maintained an **Admin Web Application** for real-time monitoring and management tasks.
- Utilized **Next.js, Express.js, TypeScript, and MySQL** to build scalable, production-ready modules.
- Collaborated with cross-functional teams to ensure seamless backend integrations and optimal performance.

### Web Developer – Google Developer Groups, AKGEC

Oct 2024 – Present

- Designed and managed websites for college and community events, ensuring modern and responsive UI.
- Worked on end-to-end development using **React, Tailwind CSS, and Node.js**.
- Focused on improving accessibility, responsiveness, and deployment workflows using modern web practices.

## PROJECTS

### CarbonSetu – Block-Based Carbon Credit System

[GitHub](#) | [Live Demo](#)

- Developed a full-stack web platform to manage and visualize carbon credit data using **MERN stack**.
- Designed responsive and interactive UI components for intuitive data insights and credit tracking.
- Implemented REST APIs for secure data exchange and efficient backend communication.
- Responsible for both **frontend and backend development**, ensuring reliability and scalability.

### TVIC – IC Verification Tool

[GitHub](#) | [Live Demo](#)

- Built a verification tool to check the authenticity of integrated circuits (ICs) using **Next.js, TypeScript, Express.js, and MongoDB**.
- Designed an intuitive dashboard for users to verify, log, and validate IC details efficiently.
- Focused on secure backend logic and dynamic frontend rendering to ensure accurate and reliable verification.
- Deployed the project on **Vercel** for optimal performance and global accessibility.

## EDUCATION

2023 – 2027	Bachelor of Technology, <b>Ajay Kumar Garg Engineering College (AKGEC)</b>	A.P.J. Abdul Kalam Technical University
2022 – 2023	Junior College, Colonel's Brightland Public School	CBSE Board

## SKILLS

Frontend	React.js, Next.js, Tailwind CSS, Bootstrap, JavaScript (ES6+), HTML5, CSS3
Backend	Node.js, Express.js, MySQL, PostgreSQL, MongoDB, REST APIs, TypeScript
Other Tools	Git, GitHub, Docker, AWS (Basics), Postman, Vercel
Programming	C, Python, Data Structures and Algorithms

## ACHIEVEMENTS & INTERESTS

- Two-time **Inter-School Debate Winner**.
- Scored **93+ percentile** in **JEE Mains**.
- Passionate about learning new technologies, reading, singing, and solving challenging problems.