

College Address

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SHIBRAJ DAS

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Education	S.R.M INSTITUTE OF SCIENCE AND TECHNOLOGY (S.R.M. ist ktr) Bachelor of Technology C.S.E. Core <ul style="list-style-type: none">Secured one internship and a consultancy within the first year of enrollment, demonstrating early professional traction.Attended 5+ tech workshops and placed in coding competitions including ICPC qualifiers and National level hackathons.	CHENNAI, TN 2025~2029
	Nava Nalanda Group of Schools (S.R.M. ist ktr) 10th , 12th boards <ul style="list-style-type: none">Participated and became the 2nd Runner Up in a National Quiz competition hosted by the Union Bank among other 650 Teams.Freelanced for 2 clients to build page based websitesParticipated in an International coding contest and placed around 150.	KOLKATA, WB 2022~2025
Skills	Core Competencies: Full-Stack Development, UI/UX Design, Web Development Programming Languages: C, Java, JavaScript, TypeScript, Dart, Python, C++, HTML/CSS Frameworks & Libraries: Next.js, Express.js, Tailwind CSS, React, Node.js, Flutter, NumPy, Pandas, Plasmio Tools & Software: Linux, Git/GitHub, Figma, Blender, DaVinci Resolve, VS Code, Apache NetBeans	
Experience	COGNIFYZ TECHNOLOGIES Web Developer Intern <ul style="list-style-type: none">Developed and optimized modern web applications using Next.js and Sass, implementing modular styling and server-side rendering to enhance SEO and page load performance.Engineered dynamic data-fetching layers to interact with RESTful APIs, efficiently managing asynchronous data to populate complex UI components in real-time.Implemented robust client-side validation for user input forms, utilizing advanced logic to ensure data integrity, improve security, and provide immediate user feedback..	REMOTE 2025Nov~2025Dec
	CONSULTANCY VISTALANE Backend Developer <ul style="list-style-type: none">Contributed to building and validating robust backend APIs to support scalability.Work closely with the Flutter team to align backend logic with frontend requirements.	REMOTE 2025Dec~2026Jan
Extra Curricular	GitHub Community S.R.M Web Developer <i>A student-led developer community established by GitHub in collaboration with SRM University, contributing to both web and AI development initiatives.</i> <ul style="list-style-type: none">Develop and maintain web solutions for community projects and eventsActively contribute to AI-based applications and research activitiesCollaborate with peers in technical workshops, hackathons, and open-source projectsEnhance project accessibility and user experience through continuous improvement	CHENNAI, TN 2025 - Present
	F.A.S.T. X Nvidia S.R.M Technical Team Member <i>A student-led research-focused community established by NVIDIA in collaboration with SRM University, working on advanced technologies including AI and related Domains</i> <ul style="list-style-type: none">Develop and maintain web solutions for organization website community projects and eventsActively contribute to AI-based applications and research activitiesCollaborate with peers in technical workshops, hackathons, and open-source projects	CHENNAI, TN 2025 - Present
Achievements	ULTRON 9.0 - IEEE hosted national level Hackathon <ul style="list-style-type: none">lead the team to Top 10 among 350 teams U-Genius - Union bank hosted national Quiz Competition <ul style="list-style-type: none">lead the team to 2nd runner up	CHENNAI, TN Kolkata, WB
Research works	Post Quantum Encryption Framework based on Kyber lattice , Chess based encryption and Rem-Mark1 (Ongoing)	2026

Projects **Angel Player (Doom scroll blocker browser extension)**

GitHub Link :- <https://github.com/Cyberbee-pro/anti-doom-scroll-extension->

Technologies: React, TypeScript, Plasmio Framework, Node.js, Chrome Manifest V3, Firefox Manifest V2

Features

- **Cross-Browser Extension Development:** Engineered a browser extension for both Google Chrome (MV3) and Firefox (MV2) using the Plasmio framework to track and limit time spent on short-form video platforms (YouTube Shorts, Instagram Reels).
- **State Synchronization & Background Workers:** Architected a robust data pipeline using [@plasmohq/storage](#) to synchronize state between background service workers (the time-tracking engine) and injected content scripts (the UI) without race conditions.
- **Dynamic DOM Manipulation:** Developed a series of escalating user interventions that interact directly with the host page's DOM, including dynamic CSS grayscale injection (`filter: grayscale`), UI-blocking overlays, and forced media pausing (`HTMLMediaElement.pause()`).
- **SPA Routing & React Injection:** Implemented an observer pattern to detect URL changes within Single Page Applications (SPAs) like YouTube, ensuring the React-based HUD component safely mounts and unmounts during asynchronous page navigation.
- **Gamified Productivity UI:** Designed a persistent, floating HUD that provides real-time feedback to the user, incorporating developer testing hooks to simulate timer states and test intervention logic.

SynthFlow (Music streaming platform)

GitHub Link :- <https://github.com/Cyberbee-pro/SynthFlow>

Technologies: Next.js, Flutter, Qt6, Express.js, Node.js, TypeScript, Socket.io, PostgreSQL.

Features

- **Cross-Platform Engineering:** Developed a high-fidelity, ad-free music streaming ecosystem across Web (Next.js/Express), Mobile (Flutter), and Desktop (Qt6).
- **Satisfying Session Algorithm:** Engineered a custom sequencing engine to automate track transitions, optimizing for flow and listener engagement without corporate algorithmic bias.
- **User-Centric Architecture:** Designed a "Leek-Olive" themed interface prioritizing granular library control and high-resolution audio playback.
- **Collaborative Features:** Integrated real-time asynchronous playback (RAP) for synced collaborative listening sessions.