Sire Saini

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EDUCATION

K.R. Mangalam University
B.Tech in Computer Science   *Aug. 2023 – Jul. 2027*

EXPERIENCE

SDE Intern   June 2025 – Aug 2025
Department of Design, IIT   *Delhi*
- Developed Toddle, a game based application to enhance language learning for children with Intellectual Disability.
- Tools used: Flutter, Firebase Auth, Firestore Database, Provider, Go Router, ImageKit, Android Studio

Intern   Jun. 2024 – Jul. 2024
CraftTatva
- Analyze competing platforms' tech stack and UI/UX, and recommend improvements.

PROJECTS

cutr | *Next.js, React, MongoDB, Tailwind CSS, Vercel*   Jan 2026
∗ Built a minimal URL shortener using Next.js with MongoDB-backed storage, supporting custom short URLs and fast redirects.
∗ Implemented collision handling to prevent duplicate short links. Designed a lightweight, pixelated UI using Tailwind CSS and deployed the application on Vercel

Recipify | *Kotlin, Jetpack Compose, Dagger Hilt, Firebase, Spoonacular API*   Apr – May 2025
∗ Developed an Android recipe application using Jetpack Compose with modern UI patterns and clean architecture.
∗ Integrated Spoonacular API for recipe search and Firebase Authentication for secure user login.

Spendly | *Flutter, Dart, Firebase, SyncFusion, Kotlin*   Jan – Mar 2025
∗ Built an automated SMS-based UPI expense tracking application with spending analytics and data visualization.
∗ Recognized with 1st place at Geekathon 2024 and 3rd place at Ideathon 2025.

Blackout | *CSS, Spicetify*   Dec 2023 – Present
∗ Created a true black OLED theme for Spotify to reduce power consumption on OLED displays.
∗ Merged into the official Spicetify theme repository and published on the marketplace.

BhartiKisan | *C, Python, Arduino, Raspberry Pi, Flask, HTML*   Apr 2024
∗ Developed a full-fledged agriculture rover using Raspberry Pi and Arduino for automated farming tasks.
∗ Integrated a machine learning model for plant health detection; awarded Track Prize at Mindbenders 3.0 (2024).

TECHNICAL SKILLS

Languages: C, Java, Python, Dart, SQL, Kotlin, JavaScript
Frameworks: Flutter, Flask, Jetpack Compose, Node.js, React.js, Express.js, Next.js, Tailwind CSS
Developer Tools: FileZilla, Android Studio, Git, Firebase Figma, MongoDB
Libraries: SyncFusion Charts

SOFT SKILLS

Teaching & Explanation Skills, Curiosity & Learning Mindset, Emotional Intelligence