

Sire Saini

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EDUCATION

K.R. Mangalam University

B.Tech in Computer Science

Aug. 2023 – Jul. 2027

EXPERIENCE

SDE Intern

Department of Design, IIT Delhi

June 2024 – Aug 2024

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

CraftTatva

Jun. 2024 – Jul. 2024

- 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