

Indrajit V P

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PROFILE

Full-stack developer with hands-on production experience, contributing to systems used by **13,000+ users**. Passionate about building scalable web and mobile applications and solving complex problems.

EXPERIENCE

sastranet

Nov 2025 – Present

Developer — Core Team

- Sole architect of the native **Android Widget ecosystem** — built widgets for Attendance, Timetable, and Mess Menu by bridging **React Native** with native Android via a custom **WidgetBridge** module.
- Implemented **background sync** with scheduled alarms for automatic widget data refresh without requiring the app to be open.
- Built and stabilized the **push notification pipeline** across Android and PWA, resolving multi-account edge cases on shared devices.
- Engineered an **OCR-based CAPTCHA-solving utility** using Tesseract.js and DDDOCR for automated portal authentication.
- Built the **ClubHub** module with gallery support, SRC campus integration, and combined event-post creation flow across mobile and web.
- Developed **authentication** and **event registration pipeline** for Colosseum, SASTRA's official sports event platform, using Express.js.

PROJECTS

AlgoMates | *Next.js, Django, Supabase, Render, Vercel*

- Built a competitive programming community platform **from scratch to deployment** — solo — enabling friend groups and college batches to grind LeetCode together.
- Features include **streak tracking, leaderboards, Striver A2Z progress, and company-wise questions**, all auto-synced from users' LeetCode profiles.
- Supports **custom community creation** for institutions and friend groups; integrated email notifications via Render.
- Live at algomates.dev with **100+ active users**; deployed on Vercel (frontend) and Render (backend).

sastranet | *React, React Native, Express.js, MongoDB*

- Campus super-app serving **13,000+ students** at SASTRA University — available on the Google Play Store as both a native Android app and PWA.
- Provides students with real-time access to **attendance, CGPA, internal marks, timetable, mess menu, and exam schedules** — all synced from the university portal.
- Includes **ClubHub**, a dedicated space for student clubs to post updates, manage events, and engage with the campus community.
- Serves students across **SASTRA's main and SRC (Kumbakonam) campuses** with campus-specific feeds and features.

TECHNICAL SKILLS

Languages: C++, JavaScript, Python

Frameworks: Next.js, React, React Native, Django, Express.js

Databases: PostgreSQL, MongoDB, Supabase

Tools: Git, GitHub, VS Code, Vercel, Render

ACHIEVEMENTS

Daksh 2026 — Placed **3rd** among 100+ participants in the competitive programming contest at SASTRA University.

Web Dev Bootcamp — Co-organised a web development bootcamp with **600+ registrations**, 1000+ attendance across 5 days, rated **4.8/5** by participants.

EDUCATION

SASTRA University

B.Tech in Computer Science and Engineering (AI & DS)

2024 – 2028

Thanjavur, Tamil Nadu