

SAIYAM ARORA

Software Development Engineer | Full Stack Developer | AI Engineer

+91 9729953242 saiyamarora9@gmail.com Saiyam9

EDUCATION

B.Tech, Indian Institute of Technology, Roorkee CGPA-8.3/10 Roorkee, Uttarakhand Nov 2021- May 2025

PROFESSIONAL EXPERIENCE

Software Engineer- Mobile Platform & Architecture, Zepto Bangalore, Karnataka June 2025-Present

- Led React Native 0.73→0.78 migration and New Architecture rollout, resolving 150+ issues across Fabric, TurboModules, and bridgeless layers; restored crash-free rate to 99.94% Android / 99.98% iOS.
- Led Android ANR reduction initiative by optimizing React Native startup during background FCM delivery, reducing Play Vitals ANR rate by ~41% (0.34%→0.20%) across 17M+ sessions.
- Delivered ~20% Android and ~7% iOS homepage load improvements, ~10% Order Tracking uplift, and contributed to ~76% ANR reduction; authored TurboModule migration playbooks adopted across teams.
- Built Zepto Lite Mode (iOS) — native Swift modules monitoring battery/network to dynamically disable heavy animations and GPU-heavy surfaces, driving +0.79% Home→Order conversion uplift.
- Built an AI-powered MerchOps scheduling platform using LangGraph and OpenAI APIs that enabled non-technical teams to schedule app banners/widgets through a conversational interface, replacing manual CURL-based operational workflows.
- Drove Electronics Revamp (~20% conversion uplift) and Search experiments (+0.94% Search→ATC); consolidated 20+ media utilities into unified ImageKit Platform.
- Architected unified Media Optimization Platform, consolidating 20+ fragmented utilities into a single transformation layer improving media consistency, caching efficiency, and developer velocity across app surfaces.

INTERNSHIPS

Software Developer, Zepto Bangalore, Karnataka May 2024-July 2024

- Built Phoenix, an in-house OTA update system replacing CodePush, enabling real-time app updates; developed iOS integration, CLI tooling, and admin panel.
- Contributed to Zepto's consumer app using React Native and Swift, building features like product image carousel, Dynamic Island widget, App Intents, and performance improvements via AVIF decoding.

PROJECTS

NSE Swing Trading Bot | Node.js, React, Kite Connect, Yahoo Finance

- Built end-to-end algorithmic trading platform with 3 validated long strategies achieving 68.6% win rate.
- Built dual data pipeline (Yahoo Finance + Zerodha Kite live quotes), regime detection (SMA/ADX/ATR), Kelly position sizing, ATR trailing stops, and React dashboard with Monte Carlo validation toolkit

TECHNICAL SKILLS

- Languages & Tools:** JavaScript/TypeScript, Swift, Python, C++, SQL, Git, Xcode, Android Studio
- Mobile & Infra:** React Native (New Architecture, Fabric, TurboModules), iOS (Swift), OTA Systems, Node.js, Redis, ClickHouse, REST APIs
- AI/Automation:** OpenAI API, LangGraph, Workflow Orchestration, LLM Pipelines

ACHIEVEMENTS

- Scored 99.919 percentile in JEE Mains 2021 among 1.2M aspirants, securing All India Rank 1043.
- Honored with the Super Genius Award at SD Public School, Jagadhri.
- Badminton: Multi-time champion including ICSE Zonals Winner, 3× District Champion, Haryana State Open qualifier, and Zepto Internal Tournament Gold Medalist.

LEADERSHIP EXPERIENCE

Contingent Leader, Inter IIT Tech Meet 13.0 IIT Roorkee 2024

- Led 90+ member contingent across 15+ technical problem statements, owning recruitment, execution planning, and cross-domain technical coordination.