



Arun Kumar

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EDUCATION

Course	College / University	CGPA	Year
B.Tech (Electrical Engineering)	Netaji Subhas University of Technology (NSUT), Delhi	7.02	2027

OPEN SOURCE CONTRIBUTIONS

- Active Contributor (Twenty: Modern Salesforce Alternative [40K Github Stars])** [↗](#) Jan 2025 – Present
 Tech Stack: TypeScript, React, NestJS, GraphQL, PostgreSQL
 - 11 merged PRs** across frontend and backend layers; received positive review comments from core maintainers **Lucas Bordeau** and **Charles Bochet**.
 - [Feature | Date Filtering]** Added QUARTER as a new time unit for date filters, touching TypeScript enums, date arithmetic utilities, regex parsing, UI dropdown, and test coverage across 9 files. Iterated on product behavior with Lucas Bordeau to implement calendar-aligned quarter logic. (Fixes #16674)
 - [GraphQL Filter Logic]** Extended ACTOR field filtering to support source-based queries in `turnRecordFilterIntoGql` implementing case-insensitive enum matching for CONTAINS and DOES_NOT_CONTAIN operands. Added edge-case tests on maintainer request; iterated directly with Lucas Bordeau. (Fixes #18099)
 - [Frontend State | DX]** Resolved data staleness in virtualized tables by enforcing cache invalidation on metadata updates, preventing stale UI state across all workspace users. (Fixes #16388)
- Contributor (CCEXtractor)** [↗](#)
 Tech Stack: C, C++, MP4 Protocols
 - Investigated and resolved a critical heap OOB buffer over-read in MP4 atom parsing, improving memory safety for downstream data pipeline consumers. (Fixes #2179)
- Active Participant, GSoC 2026 (API Dash)** [↗](#)
 Tech Stack: Dart, Flutter, MCP, API Testing
 - Developing **Agentic API Testing features**, architecting MCP-compatible protocols that enable AI agents to drive complex API test workflows autonomously.
- chartjs_flutter (Published Package)** [↗](#)
 - Sole author of a core abstraction layer binding Chart.js natively to Flutter; actively maintained with clear documentation, reducing time-to-implementation for data visualization consumers.

EXPERIENCE

- Software Developer (DevX) Intern** [Digia Studio](#) [↗](#) August 2025 – Feb 2026
 - SDK Architecture:** Implemented a Kotlin SDK orchestrating UI rendering and schema parsing. Focused on API parameter naming and error message clarity to minimize time-to-integration for developers.
 - Runtime Extensibility:** Engineered a Flutter/JavaScript bridge allowing developers to inject business logic dynamically without app recompilation, eliminating a core deployment friction point.
 - Developer Tooling:** Architected the *Device Design Panel* with automated Safe Area toggling and 100% UI fidelity testing, reducing deployment errors and accelerating onboarding.
 - API Cleanup:** Overhauled core `TextField` APIs and built null-safe components like `PaginatedSliverLists`, replacing convoluted implementation flows with predictable patterns for API consumers.

FULL STACK PROJECTS

- FaceSwapper AI** [↗](#) (Next.js 15, TypeScript, PostgreSQL, Redis, Prisma, Cloudflare R2)
 - Built a full-stack video processing platform using Next.js 15 and TypeScript with Server Actions for client-server communication.
 - Designed a Redis sliding-window rate limiter for AI generation quotas and a custom async state machine to track external AI job polling.
 - Built a storage abstraction layer over Cloudflare R2/S3 using signed URLs for secure direct-to-cloud media uploads.
- Finshyt** [↗](#) (Flutter, Supabase, Groq API, LLMs)
 - Deployed Groq API (Llama-3-70B) to analyze user financial data and provide curated guidance; built a Supabase Realtime dashboard to visualize trends and track user goals.

TECHNICAL SKILLS

- Core (Twenty Stack):** TypeScript, React, NestJS, GraphQL, PostgreSQL, Apollo Client, REST APIs
- Other Languages and Frameworks:** Python, Next.js 15, Dart/Flutter, Kotlin, Go
- Infrastructure and Cloud:** PostgreSQL, Redis, Docker, Supabase, Cloudflare R2, AWS S3
- OSS and Collaboration:** Git, GitHub PRs, Code Review, Technical Documentation