Nikhil Kadiyan

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EDUCATION

National Institute of Technology Delhi   2020-24
Bachelor of Technology (CGPA: 8.44)

EXPERIENCE

ThoughtSpot | Member of Technical Staff 3 | Java, Golang, React, Typescript, GraphQL   Aug '25 - Present | Hyderabad
• Engineered integrations for ThoughtSpot web plugins across **Google Slides, Sheets, Microsoft Excel, and PowerPoint**, enabling embedded analytics for **2k+ enterprise users**.

ThoughtSpot | Member of Technical Staff 2 | Java, Golang, React, Typescript, GraphQL   Jul '24 - Jul '25 | Hyderabad
• Achieved a **90% reduction in homepage load time** by migrating the internal Cassandra impressions database to a new schema, replacing per-view lookups with a unified table storing total views per user.
• Introduced **org awareness** to the trending table of **Cassandra** database by creating a new table with altered schema, allowing each isolated org in the instance to have separate trending objects.
• Executed team-led **zero downtime data migration** of **50M+** rows across clusters in **Cassandra** database by implementing a background script that safely transferred data and seamlessly switched over to the new schema.
• Redesigned the user onboarding to highlight **AI-powered Spotter**, guiding users through creating connections, importing data, and asking questions via natural language, resulting in improved feature adoption by 30%.
• Addressed a **security vulnerability** in the share API by implementing a Redis-based rate limiter after penetration testing exposed a missing rate limit, effectively controlling API request rates and mitigating abuse risks.
• **Diagnosed and patched** a Mixpanel overtracking issue ahead of a renewal, **reducing test event volume by 98.5% (20M to 300K)** and **saving $30K**.
• Added frontend support for **monitor alerts in Slack**, enabling users to receive data updates directly in Slack without opening the BI tool, increasing notification click rate by 20%.

ThoughtSpot | Software Engineering Intern | React, Typescript, Playwright, Jest   Jan '24 - Jun '24 | Hyderabad
• Migrated schema viewer from Angular to React by building 15+ React components and integrating GraphQL APIs, improving maintainability and reducing page load latency. Also rectified design issues in the legacy UI during migration.
• Implemented **filter and sort features** for worksheet tables and columns, collaborating with backend teams to extend APIs with **tags, authors, and database metadata**.
• Rolled out Knowledge Cards that show users information about a selected table including database, schema, and author. Made API calls to the backend.
• Resolved **critical customer-reported bugs**, with an average turnaround of 1-2 days to merge changes into master.

ThoughtSpot | Software Engineering Intern | React, Typescript, Jest   Jun '23 - Jul '23 | Hyderabad
• Streamlined **50+ accessibility improvements** across the product's website.
• Worked with **React.js** and **Typescript** to ensure accessibility by **keyboard and screen readers**, especially for blind and near-sighted users.
• Collaborated with the team to ensure that the website complied with **WAI-ARIA and WCAG** international standards, achieving **Level A** accessibility certification for legal compliance.

PROJECT HIGHLIGHTS

Golang News Reader (UI + Terminal) [Code]
• Developed a full-stack RSS reader with a **Go backend**, **Preact frontend**, and an interactive **Terminal User Interface (TUI)**.
• Implemented a **SQLite-based caching system** and a **RESTful API** in Go for efficient feed management and content delivery.
• Supports full article content extraction, TTS, and integrated podcast media enclosure across **100+ feeds**.
• Designed a **responsive UI** (web + terminal) with keyboard/mouse navigation, feed grouping, and persistent read/unread tracking.

Real Time Chatroom Application [Code+Screenshots]
• Built a multi-platform real-time chat system using **Next.js, Clerk authentication, and AWS S3 storage**.
• Supported **2GB media uploads** and enabled real-time messaging with **Socket.IO** for real-time bidirectional communication.
• Deployed a working demo used by **50+ test users**.

SKILLS

• **Core:** Java, Golang, TypeScript, React, SQL, GraphQL
• **Proficient:** Python, C++, Node.js, Next.js, Flask
• **Tools:** Git, Docker, Firebase, AWS (S3, EC2), Jest, Playwright

ACHIEVEMENTS

• Solved **600+** Data Structures and Algorithm problems on **Leetcode** [Link], rated **1764** in contests.
• Achieved a highest rating of **1736 (Expert)** in **Codeforces** [Link].
• Published paper **Study and Analysis of Plant Disease Identification Models** for ICIC3S Conference, available on [IEEE Xplore] DOI: 10.1109/ICIC3S61846.2024.10603350.