

# NITIN KUMAR

Analyst · Data-Driven · Technical Background

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## Professional Summary

Final-year CSE student (CGPA 8.79/10) with hands-on experience building and measuring full-stack products used by real users. Combines strong SQL, data modeling skills with a user-centric product mindset. Seeking a Analyst role to bridge engineering and product decision-making.

## Education

**B.Tech in Computer Science and Engineering** — Vellore Institute of Technology Sept 2022 – May 2026 — CGPA: **8.79/10**

## Core Competencies

- Product Analysis** User behavior analysis, funnel & retention metrics, A/B testing, KPI tracking, feature prioritization
- Data & Analytics** SQL (MySQL), MongoDB queries, REST API analysis, Excel (pivot tables, VLOOKUP, dashboards), Google Colab
- Technical Stack** JavaScript, Java, React.js, Node.js, Spring Boot, Next.js, WebSockets, MongoDB, AWS, Git/GitHub

## Projects — Product & Analytical Highlights

**VShare — File Sharing Platform** — *React.js, Node.js, MongoDB, Next.js*

2025

- Shipped core product features (upload/download, real-time link sharing, role-based access) achieving **50+ daily transfers**; analyzed MongoDB access patterns to reduce latency for 50+ concurrent users.
- Designed responsive React dashboard based on usability principles, improving cross-device accessibility and reducing user navigation friction.
- Tracked engagement metrics and iterated on UX to grow feature adoption — embodying a *measure → analyze → iterate* product cycle.

**VChat — Real-Time Chat Platform** — *Spring Boot, WebSockets, STOMP, Thymeleaf*

2025

- Identified notifications as a key retention lever; integrating automated email/SMS drove a **25% increase in user engagement** — quantified impact of a product decision.
- Maintained **99.8% uptime** and served 30+ simultaneous users; established performance baselines and reliability KPIs critical to product health monitoring.

**Audio-to-Text Transcription System** — *React.js, Spring Boot, OpenAI API, Socket.io*

2025

- Improved transcription accuracy by **30%** via API performance tuning — used quantitative benchmarking to guide product optimization.
- Achieved **85% session retention** by analyzing drop-off points and iterating on real-time UI feedback, directly linking product changes to measurable outcomes.
- Maintained sub-50ms latency across 50+ concurrent sessions; defined baseline performance KPIs and monitored success against them.

## Achievements & Certifications

- **Oracle Java Foundation Associate** — **94%** — **HackerRank MySQL (Intermediate)** certified — SQL proficiency for data extraction and product metric analysis.
- Solved **250+ DSA problems** on LeetCode; led **5-member EPICS team** delivering community solutions — strong analytical thinking and cross-functional leadership.
- Qualified **NDA (Navy & Air Force)** examinations — high aptitude, discipline, and performance under competitive conditions.

## Leadership & Extra-Curricular

- **Bronze Medalist** – Inter-Regional Boxing Championship (KV Sangathan) — **Core Member** – Pi Mathematics Club (2023–2025): organized workshops and events.
- **Volunteer** – National Service Scheme (2023–2024).