Anurag Singhal

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EDUCATION

Malaviya National Institute of Technology Jaipur	Jaipur, Rajasthan
Bachelor of Technology (8.00 CGPA)	*Nov. 2020 – May 2024*
Nirmal Happy Sr. Sec. School	Karauli, Rajasthan
12th Rajasthan Board of Secondary Education (93.80%)	*July 2019 – July 2020*

EXPERIENCE

SDE-2   Oct. 2025 – Present
HT Digital Streams (The Hindustan Times)   *New Delhi, India*

Markets | Java, Spring Boot, REST, Microservices, Spring WebFlux, Redis, MongoDB
- Built a **Real-Time-Trade-Alert Notification feature** with MoEngage integration by building a scheduler service to monitor live stock prices against trade recommendations. Detected stop-loss and target-hit events in real time and pushed alerts asynchronously to a centralized message queue, enabling timely and reliable notification delivery to subscribed users with **40%** increase in overall market's traffic.
- Drove a significant improvement in app performance and user experience by enhancing the core **Search API** through migration to **Atlas Search** improving relevance and reducing latency, while simultaneously revamping the Market Dashboard. These combined efforts resulted in a **25%** increase in traffic.

SDE-1   June 2024 – Oct. 2025
HT Digital Streams (The Hindustan Times)   *New Delhi, India*

Vernacular & Livemint.com | Java, Spring Boot, REST, Microservices, Redis, Elasticsearch, MongoDB
- Revamped backend architecture using optimized APIs, Redis caching, and Elasticsearch, resulting in **60% higher user engagement** and supporting a peak of **1.5 M daily traffic**.
- Led Backend Integration with **IndiaBond** and **Dhan** into LiveMint, enabling a new financial product vertical that contributed to a **1 Cr revenue increase** for the platform.

Markets | Java, Spring Boot, Spring WebFlux, MongoDB, Redis
- Optimized a real-time data streaming service using Spring WebFlux and reactive programming, integrating third-party providers **(Refinitiv, Morningstar, Dion)** to enable non-blocking data processing. Improved system throughput and reduced latency by **40%** through real-time caching implementation.
- Spearheaded the development of an **early alerting system** to detect critical market fluctuations in real time, enhancing system robustness and decision-making capabilities for the team.

TECHNICAL SKILLS

Languages: Java, Python, C/C++, SQL, JavaScript, HTML/CSS
Frameworks: React, Node.js, Express.js, Redux.js, Spring
Developer & AI Tools: Git, VS Code, IntelliJ, GitHub Copilot with Claude Sonnet, Eclipse, Cursor, Windsurf
Others: Data Structures, OOPS, Database Management System (DBMS), System Design, MySQL, MongoDB, Jest, Redis, Microservices, Spring Boot, Spring WebFlux, RESTful APIs, Graphql

PROJECTS

eCommerceElite | ReactJS, NodeJS, Express.js, Redux.js, MongoDB   Jan 2023 – Apr 2023
- Built a full-stack e-commerce platform with responsive React UI, global state management via Redux, and 15+ REST APIs in Node/Express for core commerce flows.
- Implemented JWT-based authentication and PayPal integration for secure, seamless checkout.

Real-Time Market Intelligence Agent | Java, Spring Boot, Python, FastAPI, React, Machine Learning
- Developed a small real-time market monitoring prototype using WebSockets and a React dashboard.
- Trained a basic ML model (scikit-learn) using SMA/EMA/volatility features to classify short-term price trends.

ACHIEVEMENTS

- Solved **1500+** problems across LeetCode, GeeksForGeeks, and CodeStudio (2021–2024).
- Secured **29th** rank in CodeRush Coding Challenge MNIT Jaipur (AlgoUniversity), 2023.
- Ranked in **TOP-25** in GeeksForGeeks institute leaderboard, 2023.
- Secured global top rankings: **46** and **117** in CodeChef Starters, **703** in GFG Weekly Contest 130 (2022–2023).