

# Anurag Singhal

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## EDUCATION

**Malaviya National Institute of Technology Jaipur**

*Bachelor of Technology (8.00 CGPA)*

Jaipur, Rajasthan

Nov. 2020 – May 2024

**Nirmal Happy Sr. Sec. School**

*12th Rajasthan Board of Secondary Education (93.80%)*

Karauli, Rajasthan

July 2019 – July 2020

## EXPERIENCE

**SDE-1**

*HT Digital Streams (The Hindustan Times)*

June 2024 – Present

*New Delhi, India*

**Vernacular & Livemint.com** | *Java, Spring Boot, MongoDB, Redis, Elasticsearch*

- Worked as a **backend developer** for enhancing user experience and traffic by efficiently delivering news via several APIs optimizations and implementing Redis Cache and Elasticsearch leading to **60% increase** in user's engagement reaching near **(1.5M per day traffic)**.

**Markets** | *Java, Spring Boot, Spring WebFlux, MongoDB, Redis*

- Working as a **backend developer** for enhancing performance, real-time data streaming service using Spring WebFlux and reactive programming, enabling efficient non-blocking data processing through third party data providers **Refinitiv, Morningstar and Dion** and concurrent user requests handling. Optimized system throughput and responsiveness by leveraging multithreading and real time caching implementation through websocket while updating live-price of stocks, leading to **40% reduction in latency**.
- Designed an **early alerting system** to detect critical market fluctuations in real time enhancing robustness and decision-making capabilities.
- Designed an **Real-Time Trade Alert Notification Feature — MoEngage Integration** by implementing a scheduler service to monitor live stock prices against trade recommendations, detecting stop-loss and target-hit events in real time and Integrated with existing notification infrastructure by pushing alerts asynchronously to a centralized message queue, enabling timely delivery of trade notifications to subscribed users via MoEngage.

## TECHNICAL SKILLS

**Languages:** Java, Python, C/C++, SQL, JavaScript, HTML/CSS

**Frameworks:** React, Node.js, ExpressJS, ReduxJS, Spring

**Developer & AI Tools:** Git, VS Code, IntelliJ, Github Copilot with Claude Sonnet, Eclipse

**Others:** Data Structures, OOPS, Database Management System (DBMS), System Design, MySQL, MongoDB, Jest, Redis, Microservices, SpringBoot, Spring WebFlux, REST, GraphQL

## ACADEMIC PROJECTS

**eCommerceElite** | *ReactJS, NodeJS, ExpressJS, ReduxJS, MongoDB*

- Developed a full-stack e-commerce website from scratch using several tech stacks.
- Implemented frontend using React to create a responsive user interface. Utilized Redux for state management.
- Designed and integrated 15+ REST API's using ExpressJS and NodeJs for handling backend functionalities.
- Implemented secure user authentication and authorization mechanisms using JSON Web Token (JWT).
- Integrated Paypal payment gateway to simulate real time payment system.

## ACHIEVEMENTS

- Solved **1500+ Problems** on different Platforms (LeetCode, GeeksForGeeks, CodeStudio).
- Secured **29th Rank** in CodeRush Coding Challenge MNIT Jaipur, organized by AlgoUniversity.
- Secured position under **TOP-25** at **GeekForGeeks** Rankings at Institute Level.
- Secured **Global rank 46** in Codechef starters 123.
- Secured **Global rank 117** in Codechef starters 124.
- Secured **Global rank 703** in GFG weekly coding contest 130.