

# Anshul

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## SKILLS

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- **Primary Skills:** Node.js, JavaScript, Redis, Docker, Kafka, Express.js, MongoDB, SQL, AWS
- **Skills:** GitHub, React.js, Postman, Ms Sql Server, C++, Java

## EXPERIENCE

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### ESSENTIAL SOFT TECH. MEERUT - IT Services & Consulting

Feb 2024 – Apr 2024

#### NodeJS Developer Intern

ON-SITE

- **Backend Development:** Developed and debugged JBP-core services using Node.js, MongoDB, Redis, Docker, and AWS.
- **API Development:** Built user and company management APIs with CRUD operations using Express.js, Socket.io.

### AP Mobility India Pvt Ltd Meerut - IT Services & Consulting.

Jun 2024 – Dec 2024

#### Backend Developer Intern

ON-SITE

- **Completed** a Node.js internship, gaining hands-on experience in backend development, API design, and database management. Developed scalable applications while working with technologies like Express.js, MongoDB, Redis.
- Developed and maintained RESTful APIs using Node.js and Express, improving backend performance 20%.
- Collaborated with front-end developers to integrate user-facing elements with server side logic.

## PROJECTS

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### Dev Tinder ([GitHub Repo Link](#))

Sep 2024 – Dec 2024

Developed a dev tinder app with MongoDB transactions and Redis for seamless concurrency handling.

**Node.js:** Designed a scalable backend with an event-driven architecture to efficiently handle high traffic.

- **Redis:** Implemented caching for frequently accessed data and used Redis locking to ensure data consistency during matchmaking.
- **Docker:** Containerized the application for consistent deployment across different environments.
- **Node-Cron:** Scheduled automated data-cleaning tasks to optimize performance and maintain efficiency..
- **Redis Insight:** Utilized Redis Insight for monitoring and optimizing cache performance.
- **MongoDB:** Ensured data integrity and efficiency using ACID transactions for critical operations.

### Movie Ticket Booking System ([GitHub Repo Link](#))

Designed and developed a **Scalable movie ticket booking backend** capable of handling high traffic with efficiency and reliability.

- **Node.js & Express.js:** Built a high-performance backend with a modular and event-driven architecture.
- **MongoDB with ACID :** Ensured consistency in seat bookings and payments by implementing atomic operations.
- **Redis Caching & Locking:** Optimized performance with **query caching** and prevented **race conditions in seat selection** using Redis-based distributed locks.
- **BullMQ (Message Queue Processing):** Implemented an **asynchronous job queue** for managing OTPs, ticket confirmations, and notifications.
- **Docker & Containerization:** Deployed the application in a **scalable and portable environment** for seamless development and production workflows.
- **Authentication & Authorization:** Used **JWT & middleware-based role management** to secure user accounts and admin operations.

EDUCATION

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IIMT University  
Bachelor of Computer Application

CGPA: 7.3/10

June 2024