UDIT NARAYAN

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PROFESSIONAL SUMMARY

Aspiring Software Engineer with a strong foundation in Java and Spring Boot development. Experienced in building scalable backend systems, managing relational and NoSQL databases, and implementing real-time features using WebSockets and Redis. Proven problem-solver with a track record of 800+ coding challenges solved across major competitive programming platforms.

EDUCATION

JaganNath University   Delhi, India
Bachelor of Computer Applications (BCA) | CGPA: 7.5   *2022 – 2025*

EXPERIENCE

Methd AI   Aug 2024 – Jan 2025
Summer Intern   *Delhi, India*
- Gained hands-on exposure to AI-driven web and mobile applications, specifically focusing on robust backend development.
- Utilized Core Java, Spring Boot, and RESTful APIs to contribute to the company's web and mobile app ecosystem.
- Supported workflows involving model deployment, MongoDB database management, and CI/CD pipelines.
- Collaborated within an Agile environment using Git for version control and studying scalable system architectures.
- Developed and trained basic Machine Learning models to understand fundamental AI integration within software.

PROJECTS

Splitzy | *Java, Spring Boot, PostgreSQL, Hibernate, JWT, WebSockets, Redis, Docker* code
- Engineered a comprehensive backend system to facilitate shared expense tracking and automated settlements.
- Designed and implemented scalable RESTful APIs for group management, balance tracking, and financial settlements.
- Integrated Redis for high-performance data caching and session management to optimize system responsiveness.
- Secured application traffic and WebSocket communication protocols using stateless token-based authentication (JWT).
- Enabled real-time user communication for expense coordination via a custom-built instant chat feature.
- Optimized data integrity through normalized relational database modeling and efficient Hibernate queries.
- Containerized the entire application stack using Docker to ensure seamless deployment across diverse environments.

Eco Switch | *Java, XML, Firebase, Google Maps API, Cloudinary, MapBox* code
- Created a smart e-waste management application featuring real-time waste tracking via MapBox and Firestore.
- Implemented a location-based complaint system with integrated image uploads via Cloudinary and Firebase.
- Developed an automated admin panel for efficient task management and waste collection coordination.
- Built and integrated an image classification AI model to identify and categorize electronic waste types.
- Designed a user-centric CRUD architecture tailored for native Android environments.

TECHNICAL SKILLS

Languages: Java, C++, Python, JavaScript
Backend Frameworks: Spring Boot, Hibernate, REST APIs, JWT, WebSockets
Databases & Messaging: PostgreSQL, MongoDB, Redis, Apache Kafka
Tools & DevOps: Docker, Git, GitHub, CI/CD Pipelines
Computer Science Fundamentals: DSA, OOP, DBMS, OS, Computer Networks, System Design

PROBLEM SOLVING & ACHIEVEMENTS

Competitive Programming: Successfully solved over 800 coding challenges on platforms including LeetCode, GeeksforGeeks, Coding Ninjas, and CodeForces, demonstrating high proficiency in complex algorithmic thinking and data structures.