

Krishna Yadav

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Gurugram, India

Professional Summary

Backend Developer skilled in Node.js, NestJS, and JavaScript. Strong problem-solving and DSA skills, successfully applied in professional projects to build efficient and scalable solutions. Quick learner eager to contribute to impactful software projects.

Education

Master of Computer Applications (MCA) | Quantum University, Roorkee **2023 – 2025**
CGPA: 7.77/10 | Coursework: Operating Systems, Database Management, Networking Concepts, Software Engineering

Bachelor of Computer Applications (BCA) | Aryabhatta Knowledge University, Patna **2020 – 2023**
CGPA: 8.93/10 | Coursework: Programming Fundamentals, Web Application Layer, Backend Development

Technical Skills

Programming Languages: Java, JavaScript, TypeScript, Node.js, SQL

Backend Development: Node.js, NestJS, Express.js, RESTful API development

Database Systems: PostgreSQL, MongoDB, MySQL, Redis

Development Tools: Git, GitHub, Docker, Postman, Swagger, Visual Studio Code, npm

Professional Experience

Associate Software Engineer | Oodles Technologies, Gurugram **March 2025 – Present**

- Designed and developed 15+ scalable applications and RESTful APIs using Node.js, NestJS, and TypeScript, applying software engineering best practices for maintainable code.
- Improved database performance by 35% through query optimization and indexing strategies, enhancing system efficiency.
- Developed distributed systems with comprehensive testing including unit and integration tests to ensure reliability across all use cases.
- Created comprehensive API documentation via Swagger and actively contributed to code reviews, fostering collaboration across engineering teams.
- Debugged critical issues in production environments while working with cross-functional teams on infrastructure improvements.

Technical Projects

YouTube AI Extension - Backend & Chrome Extension [GitHub](#)

- Developed AI-powered content processor with 95% accuracy using Node.js and Python, implementing object-oriented programming principles
- Designed scalable architecture with asynchronous workflows for audio processing
- Created end-to-end testing framework covering edge cases and debugging scenarios
- Technologies: Node.js, JavaScript, Python concepts, ReactJs*

URL Shortener API - Scalable Backend System [GitHub](#)

- Built role-based microservices architecture with isolated backend services
- Designed optimized SQL queries and relational schemas for complex search filters
- Technologies: NestJS, PostgreSQL, Redis, Docker, Backend design, API development*

Job Portal - Multi-tier Web Application [GitHub](#)

- Built scalable multi-tier architecture with separate backend services for different user roles
- Implemented efficient MongoDB queries and relational schema design for advanced search functionality
- Developed secure file upload system with backend validation and error handling
- Technologies: Node.js, Express.js, MongoDB, Multi-tier architecture, Backend development*

Achievements & Certifications

- Top 3 Performer** out of 560+ students on GeeksforGeeks with 500+ problem solved achievements demonstrating strong problem-solving skills
- Postman API Fundamentals Student Expert (2024)** - Backend API development, testing, and documentation
- CodeFest Hackathon 2024 Finalist** - Demonstrated startup mindset building scalable backend systems in 24 hours with rapid learning approach