

# Punyam Kumar

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## EXPERIENCE

### SOFTWARE ENGINEER

July 2023 – Present

*GENPACT, NOIDA, INDIA*

- As a Junior Backend Developer in a food delivery platform, I helped maintain and enhance Node.js backend services serving hundreds of daily users. I assisted in API updates and resolved account and order issues, handling 8+ support tickets weekly.
- Collaborated with a team of 10 to implement a RESTful API using Node.js and Express, ensuring seamless data flow between the frontend and backend.
- Optimized database queries in MongoDB, reducing query response time by 20% Integrated JWT-based authentication, securing user access for 500+ accounts
- Improved internal API documentation by detailing 10+ endpoints, enhancing team understanding. Participated in code reviews for 3 major projects, gaining experience in best practices.
- Contributed to a production system serving thousands of users daily..

### Software Engineer Intern — **LEARNZY (E-Learning Platform)**

March 2023 – July 2023

*ENQUERO GLOBAL, HYDERABAD, INDIA*

- Led backend development of an e-learning platform as Team Lead, managing Agile sprints and daily stand-ups. Orchestrated Node.js and Express services while handling stakeholder presentations and client requirements.
- Directed a team of 8 developers, designing and implementing database models and RESTful APIs from scratch.
- Implemented JWT authentication and role-based access control for enhanced platform security. Created comprehensive API documentation, streamlining development cycles and team collaboration.
- Deployed the application on AWS EC2, ensuring scalability and 99.9% uptime.

## PROJECTS

### E-Commerce – Backend Development |

2024

- Designed and built a high-throughput Node.js order-processing system capable of handling 100+ daily transactions, complete with:
  - \* Razorpay integration for seamless, secure payment workflows
  - \* DelhiveryOne API for end-to-end shipping automation and real-time tracking
  - \* Redis-backed caching to reduce response times by 40% under peak load
  - \* Automated email notifications (order confirmation, shipment alerts) via SendGrid
- Engineered a robust backend using Express.js and MongoDB (Mongoose), featuring:
  - \* JWT and Google Sign-In for multi-factor authentication
  - \* Bcrypt hashing and role-based access control to safeguard user data
  - \* Multer + Cloudinary pipeline for optimized product-image uploads
  - \* Swagger/OpenAPI documentation for rapid front-end integration

## TECHNICAL SKILLS

**Programming Languages/Concepts:** JavaScript, C++, OOPS, Data Structures, Algorithms

**Web Development:** Node.js, Express.js, Socket.io(Beginner), Redis(Beginner)

**Databases:** MongoDB, MySQL

**Tools:** Postman, Git, Swagger,Docker(Beginner)

## EDUCATION

### B.Tech.(ECE)

2019-2023

*BIT MESRA, RANCHI*

*7.6 CGPA*

## ACHIEVEMENTS

- Led a cross-functional team to successfully deliver an e-learning platform, meeting all client requirements on time.
- As Technical Lead for "Prakrida," I developed a streamlined platform for fest participation, enhancing user experience and organizational efficiency.