

# Gaurav Kumar

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## Education

Birla Institute of Technology  
Bachelor of Science in Computer Science

July 2018 – May 2022  
Ranchi, Jharkhand

## Experience

Genpact  
Software Engineer

July 2022 - Present

- Developed scalable solutions adhering to architectural guidelines, focusing on **backend frameworks** including .NET and Node.js.
- Integrated features and resolved bugs in backend components, leveraging strong expertise in **C# and .NET Core**.
- Conducted **unit and integration testing**, ensuring software security and reliability.
- Created comprehensive documentation, including **design and test specifications**, aligning with agile methodologies.
- Streamlined deployment processes by managing code integration into CI/CD pipelines using Jenkins and Docker. Reduced deployment time by 30% through optimized CI/CD pipeline integration using Jenkins and Docker.
- Led a successful migration of frontend frameworks (Vue.js to Svelte), reducing load times by 15% and simplifying the codebase by 20%.

Genpact  
Software Engineer Intern

January 2021 – July 2022

- Acquired hands-on experience with **CI/CD pipelines**, using **Jenkins, Terraform**, and **AWS** for cloud infrastructure automation.
- Collaborated with cross-functional teams to enhance development efficiency, implementing **DevOps best practices**.
- Gained exposure to **DevOps and IT trends** by engaging with industry leaders, refining strategies for emerging technologies.

## Projects

Book Shop Management System  
Java, MongoDB

November 2020

- Designed and implemented a backend system using **.NET Core** to manage business operations, such as inventory, customer orders, and sales tracking.
- Developed a user-friendly interface for seamless interaction between system components and users.
- Optimized database performance with **MongoDB** through effective indexing and data modeling techniques.
- Enhanced system reliability by employing **test-driven development (TDD)** methodologies.

## Technical Skills

**Languages:** C#, Java, Groovy.  
**Frontend:** HTML/CSS, JavaScript, Vue.js, Svelte.  
**Backend:** .NET Core, Node.js.  
**Databases:** MongoDB, MySQL, SQL Server.  
**DevOps:** Jenkins, CI/CD, Docker, AWS, Terraform.  
**Other:** API Integration, TDD, Unit Testing.

## Leadership / Extracurricular

- Led Migration of Frontend Framework:** Spearheaded the migration of a Vue.js project to Svelte, ensuring a smooth transition and improved application performance.
- Project Leadership:** Spearheaded framework migrations and backend integrations, aligning with modern development practices.
- Industry Interaction:** Engaged with leaders at Genpact to discuss the future of the IT industry and DevOps engineering, gaining insights into emerging technologies.
- Team Collaboration:** Actively contributed to cross-functional teams, fostering a collaborative work environment during interdisciplinary projects.
- Tech Mentorship:** Provided mentorship and guidance in developer community events, hackathons, and workshops to stay updated with the latest trends and innovations.