

# Rushabh Gandhi

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## SUMMARY

Results-driven professional with 3 years of experience in Software Engineering and a Master's in Computer Science. Skilled in building and optimizing enterprise-grade applications. Passionate about delivering scalable, high-performance software with real-world impact.

## PROFESSIONAL EXPERIENCE

### Software Developer

Aug 2024 – May 2025

Illinois Institute of Technology

- Developed and maintained .NET Core APIs integrated with SQL Server, improving data retrieval and reporting speed by 30%.
- Designed and optimized PostgreSQL schemas to manage large student and faculty datasets, enabling efficient query execution.
- Deployed scalable microservices on AWS EC2 using Docker, reducing latency by 20% and improving the responsiveness.
- Developed Python automation scripts using OS and Subprocess modules for Git and OS operations, reducing grading time by 50%.

### Systems Engineer

Aug 2022 – Apr 2023

Infosys Ltd

- Developed backend microservices with Python (Django, FastAPI) and implemented Redis caching, reducing latency by 20%.
- Implemented RESTful APIs integrated with PostgreSQL, improving database query performance by 25% through query optimization.
- Deployed scalable, containerized applications via Docker on AWS EC2, leveraging cloud storage (AWS S3, DynamoDB) efficiently.
- Actively participated in daily Agile/Scrum meetings and sprint planning, ensuring module scalability aligned with customer needs.
- Automated CI/CD build and deployment pipelines using Jenkins and Git, reducing build failures and accelerating release cycles.

### Software Engineer

Jun 2021 – Jul 2022

Result Series

- Architected robust full-stack applications utilizing Java, Spring Boot, React.js, and TypeScript, delivering responsive user interfaces.
- Optimized relational database schemas using MySQL, improving data retrieval performance and query efficiency by 25%.
- Streamlined build and deployment processes via CI/CD pipelines using GitHub Actions, reducing manual intervention by 40%.
- Collaborated with clients, gathering feedback to refine features, achieving customer satisfaction and improved usability by 30%.

### Software Engineer - Freelance

Dec 2020 – May 2021

Freelance

- Delivered full-stack solutions with React front-end and Python Lambda functions on AWS for client-specific workflows.
- Created mobile-responsive, accessible interfaces adhering to W3C standards, ensuring usability across all platforms.

## TECHNICAL SKILLS

**Programming Languages:** Python, Java, JavaScript, TypeScript, C#, C++

**Frameworks & Libraries:** React.js, .Net Core, Next.js, Spring Boot, Django, FastAPI, Node.js, Tailwind CSS, HTML5

**Databases & Storage:** MySQL, PostgreSQL, Firebase (Realtime DB, Firestore), Redis

**DevOps & Cloud:** AWS (EC2, S3, DynamoDB), CI/CD, Git, Docker, Jenkins, GitHub Actions, Netlify, Vercel

**Tools & Platforms:** Linux, Windows, GitHub, JIRA, Visual Studio Code, Postman

**Concepts:** REST APIs, Microservices, Agile/Scrum, OOPs, Data Structures & Algorithms, System Design, Design Patterns

## EDUCATION

### Master of Computer Science

Aug 2023 – May 2025

Illinois Institute of Technology, Chicago, IL | GPA: 3.6

- Enterprise Web Application, Advanced Database Organization, Science of Programming, Information Security, Big Data

### Bachelor of Technology in Computer Science

Aug 2018 – Jul 2022

Walchand Institute of Technology | GPA: 3.7

- Object Oriented Concepts, Software Development, Data Structures and Algorithms, Web Technology, Modern Database Systems

## PROJECTS

### Grade Book - [Graderbook.com](https://graderbook.com) | [Demonstration Video](#)

Aug 2024 – May 2025

- Acquired over 600 active users, implemented using React.js, Next.js, TypeScript, Tailwind CSS and Firebase Realtime Database.
- Built a comprehensive grading tool enabling students and instructors to calculate, track, and share grades with weighted averages.
- Designed a dynamic grading hierarchy system supporting nested assessments, enabling modeling of complex grading structures.

### AI-Powered Health & Fitness Platform

Jan 2025 – Apr 2025

- Engineered an AI-driven personalized wellness system leveraging Gemini API to generate personalized fitness & nutrition plans.
- Built using React with TypeScript frontend, FastAPI backend, and PostgreSQL database. Scalable with IoT devices.

### Helping Hands

Sep 2021 – Mar 2022

- Created an innovative platform leveraging JavaScript, HTML, CSS, Firebase Authentication, and Form Spree API integration.
- Connected needy individuals with social service professionals through a technological platform, bridging gaps and improving access.
- Adopted by non-profit organizations to streamline outreach efforts, demonstrating real impact in improving community support.