RUSHABH GANDHI

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SUMMARY

Results-driven professional with 2+ years of experience in Software Engineering and over 6 years of combined academic and project-based exposure in Computer Science. Former Systems Engineer, Software Engineer, and AI intern, focused on building scalable, high-performance applications.

EDUCATION

Master of Science in Computer Science   **Aug 2023 - May 2025**

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

Bachelor of Technology in Computer Science   **Aug 2018 - Jun 2022**

Walchand Institute of Technology | GPA: 3.7

WORK EXPERIENCE

Software Engineer   **Jun 2021 - Jul 2022**

Result Series

- Developed robust **full-stack** web applications utilizing **Java**, **Spring Boot**, **React.js**, and **TypeScript**, delivering highly responsive user interfaces.
- Designed and 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 closely with clients, gathering feedback to refine features iteratively, achieving customer satisfaction and improved product usability.

Systems Engineer   **Aug 2022 - Apr 2023**

Infosys

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

AI Engineering Intern   **Jun 2024 - Aug 2024**

Reality AI

- Developed Kai, an AI Teaching Assistant, by architecting a **Python** backend that orchestrates interactions between educational content and **LLMs.**
- Engineered tailored prompt crafting techniques to optimize language model performance, resulting in improved response and user engagement.

Teaching Assistant - Operating Systems   **Aug 2024 - May 2025**

Illinois Institute of Technology

- Developed **Python automation scripts** utilizing **OS and Subprocess modules** to handle **Git** and **OS** operations, reducing grading time by **75%**.
- Collaborated closely with Professor Farshad Ghanei to enhance evaluation through impactful strategies, fostering improved comprehension.

SKILLS

- **Programming Languages:** Python, Java, JavaScript, TypeScript, C#, C/C++
- **Frameworks & Libraries:** React.js, Next.js, Spring Boot, FastAPI, Node.js, Tailwind CSS, HTML5
- **Databases & Storage:** PostgreSQL, MySQL, Firebase (Realtime DB, Firestore), Redis
- **DevOps & Cloud:** AWS (EC2, S3, DynamoDB), CI/CD, Git, Docker, Jenkins, GitHub Actions, Netlify, Vercel
- **Tools & Platforms:** OpenAI API, Gemini API, Linux, Windows, GitHub, JIRA, Visual Studio Code, Postman
- **Concepts:** REST APIs, Microservices, Agile/Scrum, OOP, Data Structures & Algorithms, System Design, Design Patterns

PROJECTS

Grade Book   **Aug 2024 - May 2025**

http://www.graderbook.com/

- **Over 600 active users**, implemented using **React.js, Next.js, TypeScript, Tailwind CSS, Firebase Realtime Database, and OpenAI API,**
- Developed a comprehensive tool for Students and Instructors to calculate, track, and share grades with weighted averages. Demonstration Video

AI-Powered Health & Fitness Platform   **Jan 2025 - Present**

- Built an **AI-driven** personalized wellness system leveraging **LangChain and the Gemini API** to generate personalized fitness & nutrition plans.
- Leveraged **React with TypeScript** for the frontend and **FastAPI** for the backend, and **PostgreSQL** for the database. **Scalable with IOT devices.**

Helping Hands   **Sep 2021 - Mar 2022**

- Engineered an innovative platform leveraging **JavaScript, HTML, CSS, Firestore, Firebase Authentication, and Form Spree API integration.**
- Connected needy individuals with social service professionals through a streamlined technological platform, bridging gaps and improving access.