

# YASH GAJJAR

Computer Engineer | Full-Stack Developer | AI/ML Enthusiast

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## Professional Summary

Computer Engineer with strong practical exposure to full-stack development, cloud infrastructure, DevOps pipelines, and applied machine learning. Experienced in designing end-to-end web applications, integrating AI/ML models, and deploying containerized solutions on cloud platforms. Comfortable working across the software development lifecycle—from requirement analysis and system design to implementation, testing, and deployment. Proven ability to quickly learn new technologies, collaborate within technical teams, and translate complex problems into scalable, maintainable solutions. Actively seeking software engineering opportunities where analytical thinking, hands-on development skills, and a growth-oriented mindset can add tangible value to the organization.

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## Contact Information

- **Phone:** +91 9558994502
  - **Email:** yashgajjar2222@gmail.com
  - **Location:** Shyamvilla, Near Science City, India
  - **LinkedIn:** linkedin.com/in/yashgajjar7017
  - **GitHub:** github.com/YashGajjar7017
  - **LeetCode:** Yash\_Gajjar\_Official
  - **HackerRank:** yashgajju2004
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## Education

### Bachelor of Engineering (Computer Engineering)

LDRP Institute of Technology, Gandhinagar

2023 – 2026

### Diploma in Computer Engineering

Government Polytechnic, Gandhinagar

2020 – 2023

### Secondary Education (Class 10)

Shayona International School

2019 – 2020

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## Technical Skills

### Programming Languages

Python, C, C++, JavaScript

### Web & Application Development

React.js, Node.js, PHP, HTML5, CSS3, REST APIs, JSON

### Cloud & DevOps

AWS (EC2, S3, IAM), Docker, CI/CD Pipelines, Basic Linux Administration

### Machine Learning & Data Science

TensorFlow, Scikit-learn, Pandas, NumPy, Data Preprocessing, Model Evaluation

### Databases & Tools

SQL, MySQL, Git, GitHub, Linux, VS Code

### Software Engineering Concepts

Object-Oriented Programming (OOP), Data Structures & Algorithms, SDLC, Agile Fundamentals

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## Professional Experience

### Machine Learning Intern

Government MCA College

2025 - Assisted in building, training, and optimizing predictive machine learning models using Python, Pandas, NumPy, and Scikit-learn. - Conducted data cleaning, feature engineering, and exploratory data analysis to improve dataset quality. - Evaluated models using standard performance metrics and participated in iterative model improvement. - Supported integration of ML components into prototype applications under faculty supervision.

### PHP Developer Intern

Celero Pvt. Ltd.

2023 - Contributed to backend development of web applications using PHP and SQL. - Assisted in implementing input validation and security practices to reduce cross-site scripting vulnerabilities. - Worked with senior developers to deploy applications across multiple web servers. - Helped optimize backend logic, resulting in improved response times and application stability.

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## Projects

### The Compiler (MERN Stack, AI/ML, Docker)

- Designed and developed a web-based multi-language online code compiler using MongoDB, Express.js, React.js, and Node.js. - Implemented real-time code execution, syntax error detection, and structured

output handling. - Integrated containerized execution environments using Docker to ensure security and consistency. - Focused on modular architecture to support future language and feature expansion.

### **Cloud Kernel – DevOps Infrastructure Project**

- Developed a system to manage and coordinate multiple servers through an internal kernel-level handler. - Implemented request routing and load coordination between connected devices and servers. - Improved system reliability by handling concurrent requests efficiently. - Applied DevOps principles to monitor, manage, and scale server operations.

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## **Certifications**

- **AWS DeepRacer** (2023)
  - **Oracle Cloud Infrastructure** (2023)
  - **Intel AI Voice Box Program** (2022)
  - **Python for Data Science** – NPTEL (2024)
  - **AI for Everyone** – IBM (2021)
  - **Choose Engineering** – Gremlin (2020)
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## **Languages**

- English: Professional Working Proficiency
  - Hindi: Fluent
  - Gujarati: Fluent
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## **Achievements & Activities**

- Completed multiple industry-recognized certifications in cloud computing and artificial intelligence.
  - Actively practice data structures and algorithms on LeetCode and HackerRank.
  - Built and maintained several academic and personal projects using modern development stacks.
  - Regularly explore emerging technologies in AI, cloud automation, and DevOps.
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## **Career Objective**

To secure a software engineering role where I can apply full-stack development, cloud, and machine learning skills to solve real-world problems, contribute to scalable systems, and continuously grow as a technology professional in a challenging and innovation-driven environment.