

# Harsh Thakkar

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Passionate about Cloud Computing and Databases, with a focus on building efficient, scalable solutions. Skilled in utilizing modern Cloud platforms and applying knowledge of data structures and algorithms to solve real-world challenges. Strong interest in optimizing systems and streamlining processes through automation and smart database design.

## Projects

### Cloud Migration : React Based Blogging Website

- **Description:** Successfully migrated a local React-based blogging application to the AWS Cloud, enhancing scalability and performance.
- **Database Migration:** Transitioned the existing SQL database to DynamoDB, ensuring a seamless integration with the cloud environment while optimizing data retrieval and storage.
- **Application Hosting:** Deployed the entire application on AWS EC2 instances, providing a reliable hosting solution and improved accessibility.
- **Outcome:** Achieved improved performance and scalability, enabling the application to handle increased user traffic effectively.

### End-to-End CI/CD Implementation

- **Description:** Implemented a CI/CD pipeline using AWS CodePipeline to automate the build, test, and deployment phases, leveraging AWS CodeBuild for compiling source code, running tests, and creating Docker images, and using AWS CodeDeploy for automated deployment across various environments.
- **Outcome:** Reduced deployment time by 60% and improved overall development efficiency through automated testing and deployment processes.

## Education

### Dhirubhai Ambani Institute of Information and Communication Technology 2024-Present

- Gandhinagar - Gujarat - India
- MTech in Software Systems Specialization

### Government Engineering College (CGPA : 8.77) 2021 - 2024

- Bhavnagar - Gujarat - India
- BE in Information Technology

### Sir Bhavsinhji Polytechnic Institute (CGPA : 9.84) 2018 - 2021

- Bhavnagar - Gujarat - India
- Diploma in Information Technology

## Skills

- C / Cpp / Java / Go
- AWS Cloud Services
- Database Management
- CI/CD Pipeline Implementation
- Data Migration
- Docker and Containerization
- Cloud Architecture Design
- Data Analysis and Visualization