

# Rishabh Verma

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## EDUCATION

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### GYAN GANGA INSTITUTE OF SCIENCE AND TECHNOLOGY

2025

Bachelor's degree in computer science

**Relevant Coursework:** Data Structures, Operating Systems, Computer Networks, Artificial Intelligence, Mathematics

## SKILLS

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**Programming Language:** C++, Python, JavaScript, HTML, CSS, SQL, Node.js, EJS, React., Express

**DevOps And Cloud:** Amazon Web Service (AWS), DynamoDB, Route 53, Ec2, S3, Lambda, VP, IAM, Terraform, GitHub actions (CI/CD),

**Framework and Technology:** Boto3, Hugo, Bootstrap, PostgreSQL

## PROJECTS

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### Visitor Count System With DynamoDB

March 2024 – April 2024

- Implemented a Visitor Counter on a website using JavaScript.
- Utilized AWS DynamoDB to store and manage visitor count data, handling up to 10,000 request per second during peak traffic
- Developed RESTful APIs using AWS API Gateway and Lambda functions to securely handle requests from the website to DynamoDB, achieving 99.9% uptime
- Orchestrated AWS infrastructure deployment with Terraform, achieving a 30% reduction in provisioning time

### Static Website on AWS S3

February 2024 - March 2024

- Designed and styled the website using HTML5 and CSS3 to enhance user experience and visual appeal.
- Deployed a static website as an Amazon S3 static site, ensuring secure HTTPS access through Amazon Cloud Front for optimized Performance.
- Implemented AWS Cloud Front Resulting in a 40% improvement in page load Speed
- Implemented robust CI/CD pipelines with GitHub Actions to achieve a 50% reduction in deployment time

### API DATA FETCHER AND STORAGE

SEPTEMBER 2024 – SEPTEMBER 2024

- Developed a Node.js Express server to fetch top 10 results from the Wazir Api.
- Implemented a feature to store data such as name, last, buy, sell, volume, and base unit in a PostgreSQL database for efficient retrieval.
- Created an Express route to serve the stored data to the frontend, ensuring seamless integration between server and client.
- Utilized Axios for API requests and PostgreSQL for persistent data storage, ensuring data consistency and availability

## ACTIVITIES AND INTERESTS

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**Languages:** Fluent in English/Hindi

**Certifications:** AWS Cloud Foundation (2024) , AWS Academy Cloud Architecting (2024), CISCO Cybersecurity Essential (2023), CISCO Programming Essentials in C++ (2022)