Rishabh Verma

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EDUCATION

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

Programming Language: C++, Python, JavaScript
DevOps And Cloud: Amazon Web Service (AWS), DynamoDB, Route 53, Ec2, S3, Lambda, VP, IAM, Terraform, Git (CI/CD)
Framework and Technology: Boto3, Hugo.

PROJECTS

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
- Deployed a static website as an Amazon S3 static site, ensuring secure HTTPS access through Amazon CloudFront for optimized Performance.
- Integrated custom DNS domain name using Amazon Route 53, enhancing accessibility and brand consistency
- Implemented AWS CloudFront for caching to accelerate website loading times, Resulting in a 40% improvement in page load Speed
- Implemented robust CI/CD pipelines with GitHub Actions, automating testing and building process to achieve a 50% reduction in deployment time

Extracurricular Activity

Unity AI Model for Maze Navigation
- Developed an AL model using Unity to autonomously navigate through complex mazes, leveraging Unity Ml-agent Toolkit for advanced pathfinding capabilities
- Implement AWS S3 for secure storage of trained AI models and related asset, ensuring efficient assets and data retrieval and updates.

ACTIVITIES AND INTERESTS

Languages: Fluent in English/Hindi
Certifications: AWS Academy Cloud Architecting (2024), CISCO Cybersecurity Essential (2023), CISCO Programming Essentials in C++ (2022)