

Hem Chandra Upadhyay

@ portfolio-hem-upadhyay

Bachelor of Technology

Graphic Era Hill University, Bhimtal

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🐙 GitHub Profile

🌐 LinkedIn Profile

EDUCATION

- **Graphic Era Hill University, Bhimtal** 2020-2024
Bachelor of Technology in Computer Science and Engineering CGPA/MARK(%): 8.67
- **Maharishi Vidhya Mandir school** 2019-2020
12th CBSE CGPA/MARK(%): 75.83%
- **Jim Corbett international school** 2017-2018
10th CBSE CGPA/MARK(%): 70.83%

PROJECTS

- **AWS ECS Deployment Project** Dec 2024 - Feb 2025
Host the server for backend and frontend applications on AWS using infrastructure as code (IaC).
 - Host the server for backend and frontend Javascript applications on AWS Elastic Container Service (ECS) using Terraform for infrastructure automation.
 - Implemented AWS Fargate for serverless container management, ensuring scalability and cost efficiency.
 - Utilized Cloudflare with AWS S3 for static content delivery, improving performance and security.
 - Configured AWS IAM roles, security groups, and networking components to secure the deployment.
 - Technology Used: AWS ECS, Fargate, Terraform, AWS-CLI, Cloudflare, S3, IAM, SSM, ECR, SES, SNS, Cloud-Watch
- **Github action for email notification** Nov 2024 - Dec 2024
It allows us to email notifications using password and ses based
 - The main goal is to make the email notification that can send messages using ses credentials
 - Technology Used: Nodejs, Typescript.
- **Cloud Resume Challenge** Apr 2024 - May 2024
This challenge is created to set up the portfolio to serve in the cloud platform.
 - It is a challenge to help practice learning about the cloud in real environments via hosting your portfolio. [Link](#)
 - Technology Used: S3 bucket, Cloudfront, DNS, Github CI/CD.

EXPERIENCE

- **Associate Cloud Support Engineer** Mar 2024 - Present
Rubico IT
 - Designed, deployed, and managed AWS cloud infrastructure, ensuring high availability, fault tolerance, and scalability.
 - Developed Infrastructure as Code (IaC) from scratch using Terraform, modularizing components for reusability and maintainability.
 - Configured and optimized CI/CD pipelines using Gitea Actions and Bitbucket Actions, automating deployments for client-hosted and in-house projects.
 - Provisioned and monitored AWS services, including EC2, S3, RDS, SES, CloudWatch, IAM, VPC, ECR, and ECS, ensuring cost-efficient resource utilization.

SKILLS

Hard Skills: CI/CD pipelines, Automation, Continuous Integration, AWS

Languages: C/C++, JavaScript

Tools: Docker, Bash, Shell Scripting, Terraform