

# Hem Chandra Upadhyay

@ portfolio-hem-upadhyay

Bachelor of Technology

Graphic Era Hill University, Bhimtal

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🐙 GitHub Profile

🌐 LinkedIn Profile

## EDUCATION

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- **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

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- **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

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- **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

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

**Languages:** C/C++, JavaScript

**Tools:** Docker, Bash, Shell Scripting, Terraform