

Hem Chandra Upadhyay

@ portfolio-hem-upadhyay

Bachelor of Technology

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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

- **Slack Template Github Action** Dec 2024 - Feb 2025
This GitHub Action allows you to send Slack notifications using predefined templates.
 - Centralized Templates: Templates are stored in the action repository, so users don't need to include .json files in their repositories.
- **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.
- **SSH Credentials Manager** Aug 2024 - Dec 2025
To store the SSH credentials of the server on secure and same place in your device
 - The SSH Credential Manager CLI is a command-line tool designed to help manage and securely store SSH credentials. With this tool, you can add, list, update, delete, and SSH into servers using stored credentials. The tool supports SSH operations based on saved credentials, allowing users to easily connect to remote servers without having to manually enter login information each time.
 - This tool also allows you to organize your SSH credentials by associating them with server names or IDs, and it simplifies the process of connecting to servers via SSH.
 - Technology Used: Nodejs
- **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 GitHub Actions, 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 efficient resource utilization.
 - Implemented and managed Cloudflare Web Application Firewall (WAF) to enhance website security, mitigate threats, and ensure high availability.

SKILLS

Devops Skills: CI/CD Automation, Infrastructure as Code (IaC), Monitoring, Cost Optimization

Cloud: AWS (EC2, S3, RDS, IAM, CloudWatch, SES, ECS, ECR, VPC), Cloudflare (WAF)

Languages: JavaScript, TypeScript, YAML

Tools & Platforms: Docker, Terraform, CloudFormation, Bash, Shell Scripting, GitHub Actions, Bitbucket Pipelines, Gitea