Hem Chandra Upadhyay

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Curious and driven tech enthusiast who loves stepping out of comfort zones, exploring new trends, and solving problems with modern, practical solutions—while staying grounded in strong foundational knowledge.

Experience

Cloud Support Engineer, Rubico IT – Haridwar, Uttarakhand   June 2003 – Aug 2003

- Designed, deployed and managed AWS cloud infrastructure, ensuring high availability, fault tolerance, and scalability.
- Built Infrastructure as Code (IaC) from scratch using Terraform, modularizing components for reusability and maintainability.
- Configured and automated CI/CD pipelines using GitHub Actions, Gitea Actions, and Bitbucket Actions for both client-hosted and internal projects
- Provisioned and monitored AWS services including EC2, S3, RDS, SES, CloudWatch, IAM, VPC, ECR, and ECS, ensuring efficient resource utilization.
- Secured websites and mitigated threats by implementing and managing Cloudflare.

Projects

Infuse AI   github

- Rag model that help user to ask llm based on the knowledge that they can feed via pdf or the txt document
- Tools Used: Nodejs, React+Vite, typescript, chromadb (vector DB), docker, DynamoDB, langchain js

Slack Template GitHub Action   github-marketplace

- The goal of this GitHub Action is to improve Slack notifications by replacing plain text messages with visually rich UI elements, making them more engaging and easier to understand.
- Tools Used: yaml

GitHub action for email notification   github-marketplace

- The main goal is to make the email notification that can send messages using SES credentials.
- Tools Used: TypeScript

SSH Credentials Manager   github

- Goal: To create a system that securely stores all SSH credentials locally on the user's machine, minimizing the risk of secret leaks and ensuring safe access.
- Tools Used: JavaScript

Technologies

Languages: JavaScript, Typescript, YAML, Bash

Technologies: Docker, Terraform, CloudFormation, Shell Scripting, GitHub Actions, Bitbucket Pipelines, Gitea, AWS, Cloudflare

Education

Graphic Era Hill University, Bachelor of Technology in Computer Science and Engineering   2020-2024

- GPA: 8.67/10.0