

UDHAYAPRAKASH J

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[Linked In](#)

[GitHub](#)

[My-portfolio](#)

SUMMARY

Motivated DevOps & Cloud Engineer with strong knowledge of AWS, CI/CD, Docker, Kubernetes, and IaC tools. Skilled in designing and automating scalable, secure cloud solutions. Passionate about learning and applying modern DevOps practices to drive efficiency and continuous improvement.

EXPERIENCE

AI Prompt Intern – TMIS IT Solutions

Mar 2025

I completed an internship at TMIS IT Solutions, where I designed, tested, and refined text prompts to train AI powered tools such as virtual tutors, mentors, conversational partners, and support agents. My role involved creating effective prompt strategies to improve model responses, ensuring clarity, accuracy, and contextual relevance. This experience enhanced my understanding of AI driven applications, natural language processing, and human AI interaction design.

EDUCATION

Master in Software Engineering

Jun 2019 - Aug 2024

Vellore Institute of Technology Chennai

- M. Tech (Software Engineering), 7.69 CGPA, 2024

PROJECT INFORMATION

Secure Web Application for Financial Transactions ([GitHub](#))

- Built an intuitive loan processing interface using HTML/CSS and React and Focused on responsive UI and validation logic, aligning with real world standards

CI/CD Pipeline with Jenkins & Docker ([GitHub](#))

- Designed a Jenkins pipeline for automated build, test, and deployment of applications.
- Containerized applications using Docker and deployed on AWS EC2 instances.
- Managed image versions using Amazon ECR

Serverless Contact Book (AWS Lambda, API Gateway, DynamoDB, S3, CloudFront) ([GitHub](#))

- Contributed Built a serverless web app hosted on S3 with CloudFront for global distribution.
- Integrated Lambda + API Gateway + DynamoDB for storing and retrieving contact details.
- Secured API endpoints using IAM roles & policies.

ADDITIONAL INFORMATION

Technical Skills: AWS (EC2, S3, RDS, Lambda, DynamoDB, CloudFront, CloudWatch, IAM, VPC, API Gateway, Route53, EKS), Azure (Basic).

DevOps Tools: Jenkins, Git/GitHub, Docker, Kubernetes, Ansible, Terraform, Maven, SonarQube, Nexus, Prometheus, Grafana.

CI/CD & Automation: Jenkins pipelines, GitHub Actions, AWS CodePipeline, Infrastructure as Code (Terraform, CloudFormation), Monitoring & Logging (CloudWatch, ELK).

Other Tools: Linux, Shell Scripting, VS Code, Postman.

Field Of Interest : Cloud Computing (AWS, Azure), DevOps Practices (CI/CD, Automation, Monitoring), Infrastructure as Code (Terraform, Ansible), Containerization & Orchestration (Docker, Kubernetes), Site Reliability Engineering (SRE), Cloud Security & Cost Optimization.

Languages: English, Tamil

CERTIFICATIONS

- Microsoft Azure Fundamentals (AZ-900) .
- Site Reliability Engineering: Measuring and Managing Reliability Google Cloud.