PRITAM CHAKRABORTY

Aspiring DevOps Engineer

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in Pritam Chakraborty | Pritam Chakraborty Shuvo

Chattogram - 4000, Bangladesh

SUMMARY

AWS Certified Solutions Architect – Associate and Oracle Cloud Infrastructure Certified Associate with expertise in Amazon Web Services, Oracle Cloud, Docker, Kubernetes, Jenkins, Linux, Deep Learning, and Version Control. Skilled in cloud infrastructure, automation, and developing scalable solutions to optimize system performance, enhance operational efficiency, and streamline workflows. Focused on leveraging technical expertise to drive continuous improvement and support system reliability.

EDUCATION

• Premier University

Bachelor of Science in Computer Science and Engineering (B.Sc. in Computer Science)

o GPA: 3.30/4.00

February 2019 - September 2024 Chattogram, Bangladesh

SKILLS

- DevOps: Docker, Kubernetes, Jenkins, Terraform.
- Cloud Technologies: Amazon Web Service, Oracle Cloud.
- Linux: System Admin, Ubuntu, Service Management, CLI, Process Management, Cron Jobs, Networking.
- Version Control: git, GitHub
- Database Systems: MySQL.
- Automation & Scripting: Bash, Terraform
- Machine Learning & Deep Learning: Dataset Creation, Model Tuning & Deployment, Prompt Engineering, Supervised/Unsupervised Learning.
- Programming Languages: Bash, Python, SQL
- System Design & Architecture: Solutions Architecture (AWS SAA), Scalable Systems Design, High-Availability Design.
- Other Tools & Technologies: LaTex, Markdown, Microsoft 365.

CERTIFICATIONS

•	AWS	Certified	Solutions	Architect –	Associate
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• Oracle Cloud Infrastructure Certified Foundations Associate

• Oracle Cloud Infrastructure Certified AI Foundations Associate

• GitHub Advanced Security

• GitHub Foundations

• Introduction to Linux by Linux Foundation

• Career Essentials in Generative AI by Microsoft and LinkedIn

AWS Certified Cloud Practitioner by Udemy

• Intermediate SQL

Fundamentals of DevOps

• Linux System Administration

Docker Training

Valid May 2025 - May 2028

Valid July 2025 - July 2027

Valid August 2025 - August 2027

Valid June 2025 - June 2028

Valid November 2024 - November 2027

August 2025

June 2025

February 2025

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November 2024

September 2024

September 2024

September 2024

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PROJECTS

• AWS Projects

July 2025 - Present

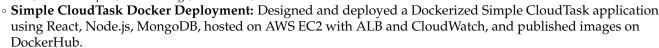
Tools: [Storage, Security, Monitoring, Data, Serverless & APIs, Other]

• Smart Static Website Hosting on AWS: Set up scalable infrastructure and automated deployment on AWS.

- Netflix Data Pipeline: Processed large datasets and automated reporting using QuickSight.
- **Ride-Sharing Platform**: The Ride-Sharing App is a serverless web platform for user registration, authentication, and ride requests, utilizing AWS for scalable storage, user management, and API functionality.
- **AI Query Bot**: AI chatbot integrated with Amazon Lex and Bedrock for answering questions from unstructured PDFs in S3 using RAG for accurate, context-driven responses.

 Docker Projects July 2025 - Present

Tools: [Docker Compose, Docker Image, Docker File]



• Docker Compose Files: Manage and deploy services like Apache-PHP, Fast-API, Flask, Minecraft, MySQL, Nextcloud, Nginx, React, WordPress, using tools like Portainer, Redis, MariaDB, and MongoDB.

Automation Projects

January 2025 - February 2025

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Tools: [Bash, Shell Scripting]

• System Configuration & Management Scripts: System-Info: Shows system stats. File-Backup: Automates backups. To-Do-List: Simple to-do list. Folder-Organizer: Sorts files. User-Management: Manages users. Network-Ping-Tester: Tests connectivity. Log-Cleaner: Cleans logs. Docker-Container-Management: Controls Docker containers. Load-Balancer-Status-Check: Monitors load balancers. Server-Configuration-Validation: Validates settings. Custom-Firewall-Rule-Manager: Manages firewall rules.

DEEP LEARNING RESEARCH

Movie Scene Classification for Sensitive Audiences

January 2024 - Present

Tools: [InceptionV3, LSTM]

- Developed a deep learning model to classify violent and non-violent movie scenes for sensitive viewers.
- Dataset: 600 video sequences from 350 movies, labeled as violent/non-violent.
- Model: : Combined InceptionV3 for spatial features and LSTM for temporal analysis.
- Optimized with Adam, categorical cross-entropy loss, and dropout regularization.
- Achieved 94% accuracy and validated with external data, providing sensitive content alerts.

DOCUMENTATIONS

Linux System Configuration Guides

October 2024 - November 2024

Tools: [Linux Commads, Markdown, GitHub]

o Created comprehensive Linux configuration documentation for system setup, including SSH, firewalls, NFS, web servers, and more, to assist users in configuring and managing Linux environments effectively.

• Docker Fundamentals & Best Practices

October 2024 - Present

Tools: [Docker Commands, Markdown, GitHub]

 Developed comprehensive Docker documentation that encompasses both fundamental and advanced techniques, including Docker Compose, Dockerfile to container conversion, and key Docker commands for efficient container management and deployment.

Git Version Control Guides

November 2024 - November 2024

Tools: [Git Commands, Markdown, GitHub]

 Created detailed Git documentation that includes theoretical concepts, installation instructions, and step-by-step guides for initializing local and remote repositories, providing clear insights into Git workflows and version control management.

ADDITIONAL INFORMATION

Languages: English (Fluent), Bengali (Native).

Interests: Cloud Technologies, DevOps Practices, Automation, Deep Learning Research, Create Technical Documentation.

REFERENCES

1. Mohammad Akif

DevOps Engineer

TechnoNext Software Limited Email: akif22inbox@gmail.com Phone: +880 1313-666090

Relationship: [DevOps Course Trainer]

2. Syed Md. Minhaz Hossain

Chairman, Department of Computer Science & Engineering

Premier University, Chattogram Assistant Director, Research Institute Email: minhazpuccse@gmail.com

Phone: +880 1815-811328 Relationship: [Thesis Supervisor]