PRITAM CHAKRABORTY

Aspiring DevOps Engineer

+880 1758-404514 | pritamchakrabortyshuvo@gmail.com | Portfolio

 Pritam Chakraborty | PritamChakrabortyShuvo

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**   *February 2019 - September 2024*
  Bachelor of Science in Computer Science and Engineering (B.Sc. in Computer Science)   Chattogram, Bangladesh
  ◦ GPA: 3.30/4.00

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   *Valid May 2025 - May 2028*
- Oracle Cloud Infrastructure Certified Foundations Associate   *Valid July 2025 - July 2027*
- Oracle Cloud Infrastructure Certified AI Foundations Associate   *Valid August 2025 - August 2027*
- GitHub Advanced Security   *Valid June 2025 - June 2028*
- GitHub Foundations   *Valid November 2024 - November 2027*
- Introduction to Linux by Linux Foundation   *August 2025*
- Career Essentials in Generative AI by Microsoft and LinkedIn   *June 2025*
- AWS Certified Cloud Practitioner by Udemy   *February 2025*
- Intermediate SQL   *November 2024*
- Fundamentals of DevOps   *September 2024*
- Linux System Administration   *September 2024*
- Docker Training   *September 2024*

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] [⚙]
  ◦ **Simple CloudTask Docker Deployment:** Designed and deployed a Dockerized Simple CloudTask application using React, Node.js, MongoDB, hosted on AWS EC2 with ALB and CloudWatch, and published images on DockerHub.
  ◦ **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*
  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] [⚙]
  ◦ 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]