

# Mohamed Nishath

0710941948 | nishathmhd008@gmail.com | Dehiwala, Colombo

## Summary

- Motivated professional with hands-on experience and knowledge in Cloud and DevOps.
- Solid foundation in various technologies, adept at implementing and optimizing solutions for real-world projects.
- Proficient in Container technologies, AWS Cloud basics, and Linux Administration.
- Skilled in setting up CI/CD pipelines for project automation.
- Experienced in working on small-scale projects with cloud provisioning tools and Infrastructure as Code (IAC).
- Knowledgeable about Microservices architecture and its implementation.
- Familiar with Python for Data Science model implementations.
- Completed Agile and Scrum course, bringing theoretical understanding to collaborative project environments

## Experience

### Data Analyst | 01/2023 - Present | Bubble card | Colombo

As a data analyst, my responsibilities included:

- \* Collecting and cleaning large datasets using Python and SQL
- \* Analyzing data to uncover insights and trends using statistical analysis and visualization tools such as Python's Pandas and Matplotlib libraries

I was able to add value by:

- \* Presenting insights to senior management, leading to the implementation of new customer engagement strategies that increased customer satisfaction by 20%.

### Bioinformatics Intern | 01/2022 - 06/2022 | Nyschey Pvt Ltd | Colombo

As a bioinformatics intern, my responsibilities included:

- \* Processing large -scale genomic and transcriptomics data using various tools and software such as Python and R

I was able to add value by:

- \* Automating data processing tasks, reducing the analysis time by 40%
- \* Discovering new gene expression patterns in complex datasets, leading to the identification of potential therapeutic targets

## Skills

Cloud Computing, Networking, Agile and Scrum, Configuration Management : Terraform, Microservice, Container Technologies : Kubernetes, Docker, CI / CD Tools: GitLab, Jenkins, ArgoCD, Machine learning : Python, NLP, clustering, Deep learning, Scripting: Python, Bash

## Education

### Data Science | European Nation Campus | 06/2023 | Colombo

GPA: 3.0.

As a data scientist, I am proficient in Python, R, and SQL for data manipulation; experienced in applying machine learning algorithms; skilled in data wrangling, statistical analysis, and proficient in data visualization using tools like Matplotlib, Seaborn, and Tableau.

As a biotechnologist, I possess expertise in diverse laboratory skills crucial for biotechnology research, including proficiency in cell culture, microbiology techniques, biochemical assays, PCR and molecular biology, bioprocessing, and operation of analytical instruments like spectrophotometers, centrifuges, microscopes, and automated liquid handling systems.

## **Projects**

- **DevOps Project: Automated Static Website Deployment with Terraform on AWS**

Implemented a DevOps project leveraging Terraform and AWS Cloud to automate the setup of a static website. The project aimed to streamline the deployment process, enhance scalability, and ensure efficient infrastructure management.

- **DevOps Project: Cloud-Native Monitoring Application Deployment on Kubernetes**

Successfully deployed a Cloud-Native Monitoring Application on Kubernetes, integrating key DevOps tools such as AWS, Python, Docker, and Kubernetes. This project aimed to enhance observability, scalability, and reliability of applications in a real-time environment.

- **Dockerized Game Deployment on AWS Cloud**

Designed and implemented an engaging game using Docker as a platform for learning essential DevOps concepts. This project covered Dockerfile creation, image building, containerization, and concluded with deploying the Dockerized game on AWS Cloud.

- **DevOps Project: Weather App CI/CD Pipeline with Docker Deployment**

Developed a Weather App with a comprehensive CI/CD pipeline, utilizing Jenkins for code integration, SonarQube for code analysis, and Docker for seamless deployment. The project aimed to automate the build, test, and deployment processes, ensuring code quality and consistent deployment across environments.

## **Certificates**

Introduction to Containers w/ Docker, Kubernetes & OpenShift, Continuous Integration and Continuous Delivery (CI/CD), Introduction to Agile Development and Scrum, Introduction to Cloud Computing, Structuring Machine Learning Projects