# ROHAN MURALI NAIR

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## **OBJECTIVE**

Results-driven Cloud Engineer with a robust foundation in Computer Science and Engineering, actively pursuing a Master's in Computer Science specializing in Software Engineering and Green IT. Proficient in Python, Java, AWS (including Solution Architect skills), Docker, Kubernetes, Jenkins, CI/CD, Terraform, Linux, Flask, Git, and GitHub. Demonstrated commitment to continuous learning and aspiring to become a DevOps professional. Eager to leverage a comprehensive skill set in a practical setting, contributing to innovation and efficiency in cloud computing and DevOps processes.

## **EDUCATION**

## Masters in Computer Science, Special Track Software Engineering and Green IT

Vrije Universteit Amsterdam and University of Amsterdam

Expected 2025

## Bachelor of Engineering in Computer Science

Nehru Institute of Engineering and Technology

2019 - 2023

## **SKILLS**

Programming Language: Python, Bash, Java

HTML , CSS and JavaScript

Version Control Systems Git, GitHub

Containerization and Orchestration: Docker and Kubernetes

Cloud: AWS, Azure

Continuous Integration and Continuous Deployment (CI/CD): Jenkins, Github Actions

## **EXPERIENCE**

## Python Developer -Intern

Company Name

Dec 2020 - Aug 2021

Initz Technologies, Coimbatore

- Engineered and optimized Python scripts to automate backend processes, significantly reducing manual effort and improving processing speed by 20%.
- Developed scalable RESTful APIs using Flask and Django, ensuring robust and efficient communication between server and client applications.

# PROJECTS

**Inventory Management System Web Application:** Developed a Flask-based Inventory Management System, optimizing operations with Python, MySQL, HTML/CSS, and JavaScript. Engineered an intuitive user interface for seamless navigation and data access. Specialized in MySQL for robust data management and employed Docker with Kubernetes for scalable container orchestration.

Weather Prediction Web Application: Designed and developed a Weather Prediction Web Application using HTML, CSS, and JavaScript, with React for a dynamic user interface. Integrated OpenWeatherAPI for real-time JSON-based weather data retrieval. Demonstrated proficiency in frontend technologies, API integration, and React for enhanced user experiences in web applications.

Orchaestrated E-commerce Web Application with CI/CD Pipeline: Developed an e-commerce platform using Django, focusing on functionality and user experience. Implemented a CI/CD pipeline with Docker for automated builds and deployments to Docker Hub. Utilized Kubernetes for application deployment and scaling, optimizing resource utilization. Integrated Jenkins to automate testing and streamline development workflows.