

Abdul Karim

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A results-driven Software Engineer with expertise in software development, system optimization, and continuous improvement. Skilled in CI/CD pipeline design, Linux administration, automation, and enhancing application performance. Proficient in using modern development tools and practices to ensure seamless integration, deployment, and monitoring. A team player focused on bridging development and operation to deliver scalable, reliable solutions.

WORK EXPERIENCE

Venus HD Televisions

Karachi, Sindh, Pakistan • 12/2023 - 05/2024

IT Intern

- . Monitored network traffic and performed troubleshooting to optimize performance.
- . Provided technical support to end-users, and integrated new software tools to enhance productivity.
- . Assisted in hardware installation, configuration, troubleshooting and analyzed system performance efficiency.
- . Engaged in mentorship opportunities with senior professionals to accelerate learning and enhance expertise.

EDUCATION

BS Software Engineering

Dha Suffa University

Karachi, Pakistan • 12/2025

* Dean's List Honor in 2022 and 2024

Intermediate

St. Patrick's College

Karachi, Pakistan • 12/2020

CERTIFICATIONS

Introduction to Linux System Admin (The Linux Foundation) | **BADGE**

2024

Git-Fundamentals (10Pearls University) | **CERTIFICATE**

2024

Scrum Foundation Professional Certified (CertiProf) | **CERTIFICATE**

2024

PROJECTS

Malaria Prediction System

- . Developed a Malaria Prediction System using the VGG16 CNN model to classify malaria-infected cells.
- . Integrated Flask for web functionality, using Python, TensorFlow for model training, and Keras for deploy.
- . Deployed on an AWS EC2 instance with Nginx as a reverse proxy and Waitress for server management.

Banking Web Application

- . Deployed a banking dashboard built with HTML, CSS, JS and automated its build using Jenkins pipeline.
- . Configured tomcat server to host the app on the EC2 instance, ensuring seamless production deploy.

Dockerized Linux

- . Developed Virtualized Linux in a docker container, leveraging containerization for effective usage.
- . Configured the Linux system in the container, installing and managing necessary software
- . Deployed Automated the setup process using docker file and scripts for consistent environment replication.

Portfolio Website

- . Designed and developed a responsive portfolio website using HTML, CSS ensuring cross-device compatible.
- . Website on GitHub pages, access via <https://Abdul-Karim-SE.github.io/Abdul-Karim-Portfolio/>.

SKILLS & INTERESTS

Skills: Development (HTML, CSS, Bootstrap, JavaScript, Python), **Operating Systems** (Linux, Windows), **Version Control** (Git, GitHub), **Automation & CI/CD** (Selenium, Jenkins, Docker, CI/CD pipelines), **Cloud & Infrastructure** (AWS, Ansible, Kubernetes), **Databases** (MySQL), **Project Management Tools** (JIRA, Agile/Scrum), **Web Tools** (WordPress), **Scripting** (Bash Scripting), **Troubleshooting** (System & Application, Infrastructure), **Soft Skills** (Microsoft Office, Customer-Focused, Adaptability).

Interests: Technology & Innovation, Cloud Computing, Cyber Security, Automation, Problem Solving.