Mohammed Kais

Infrastructure automation, and fostering collaborative workflows. Proven troubleshooter, committed to optimizing performance for agile and scalable solutions. Keen on staying updated with industry trends

CONTACT
- mdkdwr16@gmail.com | Email
- linkedin.com/in/mohdkais | LinkedIn
- https://github.com/Kais18 | GitHub
- www.kaiswork.shop | Portfolio

PROJECTS

Portfolio Complete End to End CI/CD Implementation
Tech Stack: AWS, LAMBDA, S3, ROUTE 53, CloudFront, GIT, GIT Actions, IAM, Terraform, DynamoDB (AWS).

- Utilizing **Continuous Integration and Continuous Deployment (CI/CD)** practices, integrating AWS services to enhance efficiency, scalability, and reliability in software development and deployment processes.

- GitHub Actions automates website build and deployment, and Terraform orchestrates AWS infrastructure like S3 buckets and CloudFront distributions, **enhancing development workflows**.

Fetal Brain Abnormalities Detection and Classification [Academic]
Tech Stack: CNN, YOLOv6, Python, Jupyter

- Implemented a cutting-edge Fetal Brain Abnormality Detection and Classification system using advanced machine learning techniques. Achieved high accuracy in identifying anomalies from fetal brain images
- To Detect Abnormality in Fetal Brain and Classify it based on different types of abnormalities in early stages. Increasing the accuracy to detect the abnormality of the fetus by **18% percent**
- **Role**: Developer and project leader.

TECHNICAL SKILLS

Programming Languages:
Python, C, C++, Java, Linux.

Scripting Languages:
PERL, Bash, PowerShell, Python, Shell Script.

Networking:
DNS, TCP/IP, DHCP, Routing, Switches, OSI

System Administration:
Linux, Ubuntu, Bash Shell, RedHat, Fedora, Vagrant, CentOS, Ubuntu.

Cloud Infrastructure:
AWS, GCP (Google Cloud Platform).

CI/CD: Jenkins, GitHub Actions

Containerization:
Docker Swarn, AWS ECR.

Orchestration: Kubernetes.

Version Control System: Git, GitHub.

Configuration Management: Ansible

Infrastructure as Code: Terraform

Database: SQL, DynamoDB, MongoDB

WORK EXPERIENCE

INTERNSHIP

Data Science Intern   August 2023 – September 2023
Global Core Tech
- **Key Responsibilities**: Addressed the critical need for early detection of breast cancer, aiming to improve survival rates and reduce the overall impact of the disease, utilized state-of-the-art machine learning algorithms
- **Achievements**: Acquired significant expertise in the technology sector through the development of the Deep Learning project. Experienced a notable increase in self confidence

CERTIFICATION

AWS Training and Certificate - AWS Cloud Practitioner Essential

AWS Knowledge - Cloud Essential.

Udemy - DevOps Intermediate to Advance certificate.

Coursera: Python Programming Course Certified.

Udemy: Linux Firewall.

Udemy: Python Development & Data Science: Variables and Data Types.

Udemy: MySQL certificate.

EDUCATION

KNS Institute of Technology (VTU)
Visvesvaraya Technological University
B.E in Computer Science   – **GPA: 8.02**
Achievements: Consistently ranked as the Top 5 Students in Academic Scores

Teachers Academy Pre-University
Pre-University (PUC)   – Sep 2020

St. Aloysius High School
Secondary Education   – April 2016

OTHER

BOOTCAMP: DSA in C++ (5 days) from LetsUpgrade