

KANISHK SHARMA

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Experience

NOKIA

R&D Intern

Bangalore
Sept 2023 – May 2024

- Successfully designed and implemented automated test scripts using **Robot Framework (Python)** to increase the accuracy of testing procedures, optimizing over **500+ test cases** and reducing runtime by 300+ seconds and lines of code by 50%
- Developed and tested comprehensive test scenarios for **4G/5G architecture** components, ensuring seamless operation of Telecom Network elements like SCP and BSF.
- Managed complex configurations, deployments, and monitoring of Cloud Signaling Director (CSD) and other critical components using **Kubernetes** and Docker, and OpenShift, ensuring seamless testing and deployment processes.
- Monitored Jenkins CI/CD pipeline progress, overseeing regression testing cycles, suite performance, and automating tasks for improved efficiency. Diagnosed and **resolved 200+ failures**, ensuring a streamlined software development lifecycle.

AAIWAY INDIA

AI Development Intern

New Delhi
Oct 2020 – Feb 2021

- Built a CNN model to detect up to 14 Lungs related diseases using chest X-ray using deep learning.
- Developed REST APIs and an X-ray tagging system, reducing processing time by 50% and enhancing system functionality.
- Engineered the entire backend using Flask and deployed the whole project on Digital Ocean.

Projects

Identification and Classification of Pneumonia caused by Bacteria and Virus

- Built a Convolutional Neural Network to detect pneumonia using chest x-rays images.
- Extended classification capabilities to distinguish and predict the cause (Bacteria or Virus).
- Employed various pre-trained models for feature extraction and analyzed the performance.
- Created the backend using Flask and developed REST APIs for seamless integration.

Brain Tumor Detection using MRI Scans

- Designed and developed a deep learning model that can detect Brain Tumor using MRI Scans.
- Implemented MobileNet for feature extraction and constructed a custom CNN for classification.
- Attained 94.6% accuracy by hyperparameter tuning of the CNN layers.

Education

Vellore Institute of Technology, MCA

2022 – 2024

CGPA: 8.93

Vivekananda Institute of Professional Studies, BCA

2019 – 2022

CGPA: 9.2

Technologies

Languages: Python, C, C++

Technologies: Automation, Machine learning, Deep Learning, Testing, Kubernetes, Cloud Computing

CERTIFICATIONS

- Introduction to Containers w/ Docker, Kubernetes & OpenShift
Pursuing on: Coursera
- Artificial Intelligence by Accenture
Issued by: Accenture