Kanishk Sharma

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Experience

NOKIA   Bangalore
R&D Intern   Sept 2023 – May 2024
- Designed and implemented automated test scripts using Robot Framework in **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%
- Orchestrated Kubernetes clusters (OpenShift) to deploy and troubleshoot Cloud Signaling Director (CSD), resolving 15+ networking/performance issues by analyzing pod logs and optimizing resource limits.
- 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.
- Developed and executed test scenarios for 4G/5G architecture components using Python and Shell Scripting, ensuring smooth operation of telecom network components.

AAIWAY INDIA   Remote
AI Development Intern   Oct 2020 – Feb 2021
- Built a CNN model to detect up to 14 Lungs related diseases using chest X-ray using deep learning, achieving 94% accuracy.
- Developed REST APIs using Flask and deployed AI models on Digital Ocean, optimizing cloud resource utilization.

Projects

Brain Tumor Detection Using MRI Scans

- Designed and developed a deep learning model for brain tumor detection, achieving 94.6% accuracy and outperforming existing models by 34% on validation data.
- Leveraged MobileNet for feature extraction, reducing computational cost by 30% while maintaining high accuracy, and deployed the model on Heroku for real-time predictions.
- Conducted hyperparameter tuning on custom CNN layers, enhancing model performance and reducing overfitting by 15%.

Skills & Interests

Languages: Python, Shell, Java, SQL
DevOps Tools: Jenkins, Kubernetes, Docker, Terraform, AWS
Frameworks & Tools: Robot Framework, Linux, Log analysis

Education

Vellore Institute of Technology   2022 – 2024
MCA, **CGPA: 8.93**
Relevant Coursework: Python,Cloud Computing, Machine Learning

Vivekananda Institute of Professional Studies   2019 – 2022
BCA, **CGPA: 9.2**

Certifications
- Artificial Intelligence – by Lancaster University
- Information Security Course - by NOKIA

Achievements
- Secured 3rd Rank among 300+ Programmers and Big Data Professionals in Hackathon
- Secured Rank in Top 10 among 1000+ Machine Learning Developers organized by Analytics Vidya.
- Secured 14th rank out of 10,000+ participants by creating a deep learning model for digit recognition.