Shubham

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EDUCATION

VIT Bhopal University   Bhopal, India
Bachelor of Technology in Computer Science; CGPA: 8.2   *Aug 2021 – May 2025*

Kendriya Vidyalaya   Mathura, India
Higher Secondary School; CGPA: 8.2   *July 2020*

EXPERIENCE

Preprocessing techniques for lung cancer detection   Bhopal, India
                                                                    Dec 2023 – Feb 2024

- Applied advanced preprocessing techniques (e.g., noise reduction, image normalization) on lung cancer imaging datasets to enhance feature extraction.
- Employed techniques like PCA and feature scaling to improve the accuracy and efficiency of machine learning models for lung cancer detection..
- Utilized data augmentation and transformation methods to address class imbalance and increase model robustness.
- Integrated preprocessing workflows into automated pipelines, enabling efficient training and deployment of lung cancer detection models.

Cod Soft   Bhopal, India
Web Developer   *Oct 2023 – Nov 2023*

- Assisted in developing and maintaining web applications using HTML, CSS, and JavaScript, enhancing user interface and experience.
- Collaborated with cross-functional teams to implement responsive design and ensure compatibility across devices and browsers.
- Participated in code reviews and testing, identifying and resolving bugs to improve application performance and security.

PROJECTS

Deploy an E-Commerce Three Tier application | *Python, jenkins ,Docker, Kubernetes, Git* Dec 2024 – Present
- Developed a CNN-based model to classify real vs. AI-generated images using a dataset of 100,000+ images.
- Collected and preprocessed images from multiple sources, including Google Images, CIFAKE, and Kaggle. .
- Implemented image feature extraction techniques to enhance model accuracy and performance.
- Trained and optimized the model, achieving high classification accuracy for detecting synthetic content.

CI/CD Pipeline | *Python,Jenkins, Docker, Kubernetes, Git*   May 2024 – August 2024
- Developed and maintained a robust CI/CD pipeline using Docker, Git, and Kubernetes, streamlining the deployment process and enhancing application reliability.).
- Automated build, test, and deployment workflows, reducing manual intervention and accelerating release cycles..
- Integrated Kubernetes for container orchestration, ensuring scalable and efficient deployment of microservices.
- Collaborated with development and operations teams.

TECHNICAL SKILLS

Languages: Shell Scripting,C/C++, SQL, HTML/CSS, Python,GIT,JavaScript

Developer Tools: Git, Docker, Terraform, Google Cloud Platform, AWS, Kubernetes, Selenium
Libraries: pandas, NumPy

ACHIEVEMENTS

- State Award in Bharat Scout and Guides
- Maintained 300-day LeetCode streak and 150-day GeeksforGeeks streak