

Shubham

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EDUCATION

VIT Bhopal University

Bachelor of Technology in Computer Science; CGPA: 8.2

Bhopal, India

Aug 2021 – May 2025

Kendriya Vidyalaya

Higher Secondary School; CGPA: 8.2

Mathura, India

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.

Electronic Store Sales Report

Bhopal, India

Data Analysts

Oct 2024 – Nov 2024

- Developed an Interactive Sales Dashboard – Designed a Power BI dashboard to analyze sales trends, customer behavior, and product performance for an electronic store..
- Data Cleaning Transformation – Processed and transformed raw sales data using Power Query, ensuring data accuracy and consistency for insightful visualizations.
- Implemented Key Performance Metrics – Tracked revenue, profit margins, top-selling products, and regional sales distribution using DAX calculations and visual reports.

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,PowerBi

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