Disha Vishwakarma

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EDUCATION

Sagar Institute of Science & Technology (SISTec), Gandhi Nagar, Bhopal
Bachelor of Technology in Artificial Intelligence & Data Science **(CGPA: 8.09)** *August 2021 – Present*

Laxmi Devi Vikyomal Shroff H. S. School, Bhopal
12th **(Percentage: 92.8%)** *April 2020 – Mar 2021*
10th **(Percentage: 92.6%)** *April 2018 – Mar 2019*

SKILLS

- **Programming Languages:** Python, C, C++, Java, SQL
- **Machine Learning:** Deep Learning, Neural Networks (CNN, ANN), NLP, Computer Vision, Feature Engineering, Model Optimization, Transfer Learning, Data Preprocessing
- **Web Development:** HTML, CSS, Flask, FastAPI, Django, MySQL.
- **Tools/Technologies:** Git, GitHub, Microsoft Power BI, Advanced Microsoft Excel, Jupyter Notebook (Anaconda3)
- **Core Computer Science Concepts:** Data Structures and Algorithms (**DSA**), Object-Oriented Programming (**OOP**), Database Management Systems (**DBMS**), Operating Systems (**OS**)

EXPERIENCE

Software Developer Intern, FoCDoT Technologies *Jul 2024 – Sep 2024*

- **Developed and deployed** fraud detection system handling imbalanced data (0.17% fraud cases), achieving 92% accuracy through advanced sampling techniques and ensemble methods
- **Engineered sentiment analysis model** achieving 83% accuracy using TF-IDF and Word2Vec, processing 10,000+ customer feedback entries monthly
- **Implemented** CNN-based emergency vehicle detection system with 81% accuracy, reducing model training time by 40% through transfer learning optimization

PROJECTS

Deep Learning Fruit Analysis System *Aug 2024 – Oct 2024*
Flipkart Grid 2024 Semi-Finalist **Link**

- **Achieved 88% classification accuracy** using TensorFlow/VGG16 model with data augmentation and transfer learning techniques
- **Deployed** model to production serving 1000+ daily requests with 95% reliability
- **Technologies:** Python, TensorFlow, Keras, VGG16, Docker

Gender & Age Detection System *Mar 2024 – Apr 2024*
Mentor: Dr. Vasima Khan | Team Size: 2 **Link**

- **Real-Time Prediction:** Developed a system to predict gender and approximate age from live webcam feeds in real-time.
- **Deep Learning Implementation:** Leveraged advanced deep learning techniques using TensorFlow and Keras for accurate predictions.
- **Image Processing and UI Development:** Integrated OpenCV for image processing and built a user-friendly interface with Flask, HTML, and CSS.
- **Technologies Used:** Python, TensorFlow, Keras, OpenCV, Flask, HTML, CSS.

Additional Projects: Book Recommendation System, Next Word Recommendation System

CERTIFICATIONS

Introduction to Machine Learning | NPTEL **Link**

- Completed a comprehensive program covering fundamental concepts in machine learning (July 2023 – October 2023).
- Gained insights into key algorithms, techniques, and applications.

Programming Essentials in Python | Cisco Networking Academy **Link**

- Acquired hands-on experience with foundational Python programming concepts.
- Enhanced problem-solving skills through coding exercises.

Coding Profile: LeetCode | HackerRank | GeeksForGeeks