TUSHI MITTAL

Indore | mittaltushi@gmail.com | +91 9755589225 | | LinkedIn | Github

About Me

As a fourth-year BTech student at SRM Institute of Science and Technology, I am passionate about web development, artificial intelligence, and graphic design. I have solid skills in HTML, CSS, JavaScript, and ReactJs, enabling me to create dynamic, user-friendly websites. My studies in AI have given me a strong grasp of machine learning, neural networks, and data analysis. Additionally, I excel in graphic design using tools like Figma to create visually appealing and intuitive user interfaces. I am eager to further my knowledge through internships, research projects, and professional development, aiming to make meaningful contributions to technology and society.

Education

SRM Institute of Science and Technology, BTech in Computer Science — Aug, 2021-Jun, 2025

- GPA: 8.58/10 (Transcript)

New Digamber Public School, 12th — 2021

- Percentage: 88.6 (Transcript)

New Digamber Public School, 10th — 2019

- Percentage: 93.2 (Transcript)

Experience

EDUSKILLS, BLUE PRISM, Associate Developer — May 2024 June 2024

- The AICTE Virtual Internship for Intelligent Automation by Blue Prism as a trainee Associate Developer. Gained hands-on experience and mastering the use of Blue Prism's tools and technologies to design, develop, and implement automated processes.
- Developed proficiency in automating workflows, and optimizing business processes to enhance efficiency and accuracy.

IBM, Trainee Web Developer — Sept 2003 – Apr 2005

- Completed an internship and training program at IBM focused on front-end web development. Gained hands-on experience in building and maintaining web applications using HTML, CSS and JavaScript.
- Developed skills in creating responsive, user-friendly interfaces and collaborating with a team to deliver high-quality web solutions, enhancing my proficiency in modern front-end technologies.

Projects

Facial Emotion Recognition — Click to View

- This project utilizes image processing techniques and machine learning algorithms to detect facial emotions from images. It aims to provide a tool for analyzing human emotions based on facial expressions, which can have various applications in fields like psychology, market research, and human-computer interaction. Recognizes facial expressions such as happy, sad, surprise, fear, disgust, angry and neutral
- Tools Used: Jupyter Notebook, OpenCV, Tensorflow, Kaggle for dataset, Deep learning model

Email Spam Detection — Click to View

- Email spam remains a persistent nuisance and a significant security threat in the digital age. Developing effective methods to detect and filter out spam emails is crucial to safeguarding individuals, businesses, and the integrity of online communication platforms. The problem statement revolves around identifying and classifying emails as either spam or legitimate (ham).
- Tools Used: Jupyter notebook, Excel, machine learning techniques

American Sign Language Detection — Click to View

- This project aims to pioneer the use of Convolutional Neural Networks (CNNs) to enhance American Sign Language (ASL) recognition, which is crucial for individuals who are deaf or hard of hearing. By employing

advanced pre-processing techniques like grayscale conversion and strategic frame selection, raw video data is meticulously prepared for analysis. The developed bespoke CNN architecture adeptly extracts salient features and accurately classifies ASL signs depicted in processed frames.

- Tools Used: Jupyter notebook, deep learning, image processing techniques

Certifications

Oracle Associate Cloud Foundation
ReactJS Basics
Google Business Intelligence
Developing Applications with AWS

Additional Knowledge

Languages: C++, C, Python, C#, SQL, JavaScript, ReactJS