FARAAZ SHAIKH

EDUCATION

Rajiv Gandhi Institute Of Technology *B.E in Artificial Intelligence and Data Science*

Mithibai College *Science - 84%*

St John Universal School *ICSE- 87%*

Aug 2021 – May 2025
Mumbai, India
Jan 2019 – May 2021
Mumbai, India
Jan 2009 - May 2019
Mumbai , India

TECHNICAL SKILLS

Languages : Python, Java, JavaScript, C , HTML , CSS
Frameworks : Numpy ,Pandas ,Matplotlib , OpenCV ,Tensorflow ,NextJS ,Flask
Tools & Databases : VSCode , Jupyter Notebook ,MongoDB ,Vercel , Github
Miscellaneous : Data Science, Machine Learning ,Deep Learning, Web Developtment , Data Structures

PROJECTS

Potato Disease Classification

- **Technology Used:** Python, TensorFlow library for Deep Learning, Flask for connectivity between the frontend and backend, and HTML, CSS, JavaScript for the user interface.
- **Dataset**: The model was trained on an 80% training dataset, 10% testing dataset, and 10% validation dataset.
- **Architecture:** Included several Conv2D and MaxPool2D layers to extract image features, followed by a Flatten layer to reduce dimensions, and Dense layers for final output.
- **Robust Deep Learning Architecture**: Designed a convolutional neural network (CNN) with Conv2D, MaxPool2D, and Dense layers, optimizing the model for high accuracy and effective feature extraction from potato leaf images.

Neutron AI

- **Developed a Full-Stack AI-Powered Image Enhancement Platform:** Built a responsive frontend using Next.js and a robust backend with Flask, enabling users to upload images, enhance quality, change background colors, and apply generative recoloring using AI-driven solutions.
- **Integrated Cloudinary for Efficient Image Handling**: Leveraged the Cloudinary API for seamless image upload, storage, and optimization, ensuring efficient and scalable media processing.
- **Implemented Advanced Generative AI Features:** Designed and deployed AI-powered functionalities for background replacement, image recoloring, and enhancement, enhancing user experience through innovative generative techniques.

Placement Management System [Major Project]

- **Designed and Implemented a Placement Management System:** Developed a web application using Flask and MongoDB to streamline placement processes, including student and company registrations, job postings, and application tracking.
- **Seamless User Management and Role-Based Access:** Integrated user roles for students, companies, and admins to ensure secure and tailored access to features such as profile creation, job applications, and placement data management.
- **Automated Placement Workflow:** Enabled automated workflows for job posting, shortlisting candidates, and placement tracking, reducing manual effort and improving efficiency.
- **Interactive and Intuitive UI:** Built a user-friendly interface with HTML, CSS, and JavaScript, offering an accessible and intuitive experience for all users.

CERTIFICATES
• **Machine Learning Coursera | Stanford University**

MY PROFILES