Rishi Patel
C-804, Swati Crimson, Thaltej-Sheelaj road, Ahmedabad-380054.
(+91)9427576889. E-mail: -rishipatel310302@gmail.com
GitHub:https://github.com/9RP6
Medium: *https://medium.com/@rishipatel3103*
Website: https://9rp6.github.io/portfolio-website

OBJECTIVE

I have been working in the corporate culture along with my graduation, and ready to accept the challenges, utilizing my technical skills, would like to work with a highly esteemed company which gives me a platform to use my expertise and skills for mutual growth and benefit of company and myself. Want to work on real life organizational environment to improve on my technical, business development and software development skills.

EDUCATION

CHARUSAT University | Changa **2020-2024**
Bachelor Computer Engineering
CGPA: - 8.39

EXPERIENCE

Ahmedabad University **Dec 2023– Present**
Trainee Engineer

- Working on a project to fetch data from an ESP32 microcontroller and storing it on A cloud database.
- Displaying the fetched data in real time on Grafana and hosted ReactJS page in Graphical format.
- This project is essential for atmospheric research.
- The data contains different air quality parameters sensed by different sensors like BME680 and PMS.

Arham Technosoft Pvt. Ltd. **May 2023-June 2023**
Junior software engineer intern

- Internship in Frontend
- Went through a training process to learn ReactJs and Firebase.
- Developed a fully-functioning Web Chat Application .

Giri hotels management **May 2022-June 2022**

- Internship in java
- Worked on an ongoing project as a frontend and backend developer. Frontend: JSP Backend: Java

PROJECT WORK

Prostate cancer and kidney cancer classification

- Xception, InceptionV3, VGG16 (Visual Geometry Group 16), Visual Attention Network (VAN), and other deep learning models were used to create a reliable picture classification system for detecting prostate cancer based on the Gleason scale. It is common and potentially fatal to have prostate cancer, and effective treatment depends on a precise early diagnosis. Higher scores correspond to more aggressive kinds of prostate cancer. The Gleason score is a grading system used to measure the aggressiveness of prostate cancer.

- I expanded my effort to include work with kidney pictures in addition to prostate cancer. utilising the VAN, VGGNet, ViT, and MobileNet deep learning models. attempted to categorise kidney pictures as either disease-free or unhealthy. used the same methodology as the prostate cancer study for the renal picture classification project. gathered a variety of renal imaging datasets, preprocessed the information, and then used transfer learning to optimise the deep learning models. To ascertain the models' efficacy in categorising kidney health, their accuracy, precision, recall, and F1-score were assessed.

- The goal of broadening the project's scope to include renal image classification was to help in the early identification of kidney illnesses, which would enhance patient treatment and results in the nephrology area. This wider use of deep learning models shows how adaptable and powerful they can be for a range of diagnostic tasks in the medical field.

- Carefully recording project activity, including methods, code, and research results. Additionally, producing reports and visual representations to help the team understand project results and important insights

HR management-- ReactJs, PHP and MySQL
- Attendance and inventory management for a soap factory.
- Built an attendance management module for the HR, to keep track of labors. To calculate their salary according to their attendance.

Dog breed classification—Deep learning
- In this project I have created a pipeline for classification of dog breeds.
- Accuracy has been achieved up to 16% with 20 epochs
- Used Resnet50 for transfer learnings.
- Accuracy has been achieved up to 81% with 30 epochs.

Hand Writing Recognition—Deep learning
- In this project I have designed a CNN-based model for recognition of hand written digits that attains a validation accuracy of 99.2% after training for 12 epochs. Its trained on the MNIST dataset on Kaggle.

Data science project—Machine learning
- Working to find the best regression algorithm on a given startups dataset.

Food waste management— Android
- Android app This app enables the restaurants to donate their wastage food at the end of the day to poor. A non profit organization(Robinhood army) could work as the middle man in this process.
- My role in this project was the project work flow and UI design.

OTA—Frontend
- Online travel agency (Frontend) Group project on frontend using html, css and javascript.
- Very beautiful and interactive UI to increase user experience.
- Used MYSQL to integrate User authentication in this webpage.

Stock market prediction—Machine Learning

Description of the project:
- To predict the future stock price of NSE using machine learning and deep learning algorithms.

TECHNICAL SKILLS
- Python
- SQL, Data Structures and Algorithm

- Machine Learning/Deep Learning
- Arduino
- HTML/CSS
- ReactJS
- C++
- Prolog
- Java
- Tools: Jupyter notebook, Jira, Figma, MS projects, Docker, orange, weka, GitHub.

CO-CURRICULAR ACHIEVEMENTS

- Volunteering in management of events like AWS community day
- Played football for university
- Played football in school
- Learning Piano
- Badminton
- Took parts in Quizzes
- Volunteering in management of events inside the university.
- .