MOHIT SOLANKI

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Education

Graphic Era University   **Dehradun, India**
MCA − CGPA: 8.07/10   *June 2022 – June 2024*
Graphic Era Hill University   **Dehradun, India**
BCA − CGPA: 7.87/10   *June 2019 – June 2022*

Coursework

- Data Structures
- Algorithms
- OOPS
- Operating Systems
- Computer Networks
- Database Management System

Experience

NAVODITA INFOTECH | Machine Learning Intern | Oct 2023 – Nov 2023
- Creating a Machine Learning based Image Classification with Convolutional Neural Networks Develop a CNN model to classify images in a dataset, such as the CIFAR-10 or ImageNet dataset, and explore techniques for model optimization and performance improvement.

Projects

IOT-Enabled LPG Leakage Detection and Auto Exhaust System for Hazard Mitigation | PATENT PUBLICATION |
- The invention relates to the field of a fire safety systems, specifically focusing on Liquefied Petroleum Gas (LPG) leakage detection and automated exhaust solutions. It addresses the critical need for real-time monitoring, early warning, and hazard prevention in diverse environments, including residential and industrial sectors.

Image Classification with Convolutional Neural Networks (CNN) | Machine Learning |
- This project focuses on implementing Convolutional Neural Networks (CNNs) for image classification in machine learning. It aims to explore CNN architecture, optimize model training, and evaluate performance metrics, with a goal of contributing to advancements in computer vision applications.

Build and Deploy a Full Stack Social Media App | React JS, Appwrite, Tailwind CSS, React Query |
- I am thrilled to showcase my proficiency in Full Stack development through the successful completion of the project 'Build and Deploy a Full Stack Social Media App.' In this endeavor, I adeptly utilized React JS, Appwrite, Tailwind CSS, and React Query to create a dynamic and responsive Social Media App.

Research

Traffic Prediction Using Machine Learning | ACCEPTED |
- Presented the Research Paper on "Traffic Prediction Analysis (TPA) using Machine Learning" Methodologies during 6th International Conference
- A traffic prediction system might help drivers in making better travel choices. Minimizing carbon emissions, reducing traffic congestion, and improving the effectiveness of traffic management to deliver such traffic flow data is the main aim of traffic flow prediction. Prediction of traffic is essential in a system of intelligent transportation. Effective traffic forecasting can help with route design, vehicle dispatching, and reducing traffic congestion.

Certifications

Coursera | Google IT Support Professional Certificate |
- The Google IT Support Professional Certificate is a comprehensive program covering various aspects of IT support. Participants will gain expertise in Technical Support Fundamentals, IT Security (Defense against the digital dark arts), Operating Systems, Computer Networking (Bits and Bytes), and System Administration, providing a well-rounded skill set for pursuing a career in the IT industry.

Technical Skills

Languages: C/C++, Java, JavaScript, React JS, Python + ML, SQL
Developer Tools: VS Code, IntelliJ, Eclipse

Coding Platform

Leetcode | https://leetcode.com/mohitsolanki19/ **|**

GFG | https://auth.geeksforgeeks.org/user/mohitsolanki7051 **|**