TARUN

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CAREER OBJECTIVE

- Aspiring to secure a software development position within a dynamic and growth-oriented company.
- Leveraging my computer science and operations background, I focus on driving strategic initiatives, optimizing processes, and uncovering growth opportunities for teams.

TECHNICAL COMPETENCIES

Languages:
C++ | C | SQL | Python | HTML5 | CSS | JavaScript
Technologies:
ML | Database Management | Web Development | Git | GitHub | Tableau | MySQL | Selenium

INTERPERSONAL SKILLS

Team Leadership | Management & Coordination | Decision Making | Problem solving

INTERESTS & HOBBIES

Online Gaming | Badminton | Travelling

EXTRA / CO-CURRICULAR ACHIEVEMENTS

- Students Moocs Coordinator

ACADEMIC ACHIEVEMENTS

- Industrial Visit OF CSIR- CBRI won silver medal
- VIII Math's Whizzies Contest -2015 Topper
- IX Math's Whizzies Contest - 2016 Topper
- Bronze Medal in Maths Olympiad

EDUCATION

Bachelors in Computer Science Engineering Spec. (AIML)| Chandigarh University, Gharuan
Session: 2021-2025 | Score: 7.64 CGPA
Intermediate (CBSE) | KV BHEL HARIDWAR, UTTARAKHAND
Session: 2020-2021 | Percentage: 87.5%
Matriculation (CBSE) | KV BHEL HARIDWAR, UTTARAKHAND
Session: 2018-2019 | Percentage: 90.6%

TRAINING & PROJECTS

INTEL | WORKSHOP June 14- 28 July 2023

- Intel AI competency workshop of AI as a part of Future Workforce Program
- The training covered the following modules: AI Awareness and Key Concepts, Fundamentals and Installations, Data Visualization, Concepts of Machine Learning and Deep Learning, Open CV, and NLP.

CSIR-CBRI | WORKSHOP Aug 27-29 2019

- State level Student Workshop Organized By CSIR-CBRI Roorkee in 11th Standard.

DEEP LEARNING MODELS FOR EARLY DETECTION AND DIAGNOSIS OF CANCER FROM MEDICAL IMAGING | PROJECT

- This project successfully leverages a Convolutional Neural Network (CNN) to detect and classify images of lung cancer cells. The model is trained to distinguish between normal cells and cancerous cells.
- The model achieves a validation accuracy of approximately 90.67% and produces a detailed classification report, optimizing lung cancer detection and facilitating further medical analysis.

EARLY DETECTION OF DISEASE IN MEDICAL| PROJECT

- This project employs a 2D U-Net convolutional neural network to detect pulmonary nodules in CT scans, utilizing images from the LUNA16 dataset and applying preprocessing techniques like lung segmentation and noise reduction.
- The model achieves a dice score of 0.83 during training and 0.75 on test data, enhancing the accuracy of lung cancer screening.

TABLEAU REPORT ON ROAD ACCIDENT DASHBOARD| PROJECT

- It is the Analytical Dashboard on the Dataset of Road Accidents.
- This project enables the stakeholders to gain valuable insights into various aspects of road safety and accident trends.

BIRDS SPECIES CLASSIFICATION | PROJECT

- It is the CNN model for the classification of the Birds images into the different classes according to their species.
- To create this project a dataset of bird's images of 25 species is being used for the training purpose.

CERTIFICATES

- Advanced Machine Learning on Google Cloud
- Introduction to Data Science with IBM
- Introduction to Computer Vision and Image Processing
- Analytics for Decision Making by University of Minnesota