Divyansh Trivedi

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Linkedin | Leetcode | Github

PROFESSIONAL SUMMARY

Innovative developer with a deep understanding of programming and data science. Skilled in creating and optimizing high-impact software solutions, with strong problem-solving abilities and a team-oriented approach. Committed to learning and adapting to new technologies to drive innovation and excellence.

EDUCATION

Bachelor of Technology in Computer Science and Engineering with specialisation in AI&ML, Sharda University, 7.2 CGPA 2021-2025

CBSE 12th Standard, Sangam School of Excellence, 80% 2020-2021

CBSE 10th Standard, Central Academy Senior Secondary School, 90% 2018-2019

SKILLS

Programming Languages: C and Java (Proficient), JavaScript (Intermediate), Python (Beginner)

Database and Language: Experience in Mongo DB, PostgreSQL, SQL (Intermediate), Hadoop

Frameworks: working experience in React JS, Express JS, Node JS, Bootstrap

Version Control Tools and IDE: Git, Github, Visual Studio Code, Apache Spark

Course Work: Database and management system, Object-Oriented Programming, Software Development, Computer Networks, Operation Systems, Data Structures, and Algorithms

Soft Skills: Collaboration, Communication, Planning, Teamwork, Time Management, Leadership

WORK EXPERIENCE

Social Media Analyst, Sharda University- Certificate

- Created engaging content for website, blog, and social media platforms, enhancing online visibility and reputation through articles, infographics, and multimedia.
- Implemented SEO strategies to optimize content for search engines, boosting rankings and driving organic traffic.
- Managed social media campaigns to promote academic projects, events, and programs, utilizing data analysis tools to track performance and develop key performance indicators (KPIs).

PROJECTS

Adversarial Attacks On Neural Network, Springer -Springer, Singapore

- Conducted in-depth research and comprehensive analysis on various adversarial attack techniques targeting neural networks, specifically focusing on black-box attacks, gradient-based attacks, and transferability attacks to understand their methodologies and impact.
- Published a peer-reviewed paper titled "Adversarial Attacks on Neural Networks" in the *Cyber Intelligence and Information Retrieval Conference (CIIR 2023)*, Lecture Notes in Networks and Systems series by Springer.
- Detailed defence mechanisms such as adversarial training and input sanitization in the publication.

Autonomous Vehicle Recognition using YOLOv8- Google Colab

- Designed and implemented a deeper and more complex convolutional neural network (CNN) structure for YOLOv8, incorporating innovations like cross-stage partial networks (CSPNets) and spatial pyramid pooling layers.
- Led the training process for YOLOv8, utilizing advanced techniques such as transfer learning and automated data augmentation. These methods improved the model's robustness and applicability in various real-world scenarios, resulting in a substantial increase in detection accuracy and speed compared to previous iterations.
- Implemented model pruning, quantization, and knowledge distillation techniques to optimize computational efficiency.

CERTIFICATES & ACHIEVEMENTS

- Introduction to Data Analysis using Microsoft Excel - Coursera
- JP Java Programming Learner - Oracle
- DP Database Programming with SQL Learner - Oracle
- 50+ Questions solved on Leetcode - Leetcode