ARUN SINGH THAKUR

DATA SCIENTIST

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ABOUT ME

I am passionate about using data to drive insights and decision-making. Through my coursework and personal projects, I have gained experience in statistical analysis, machine learning, data visualisation , and programming languages . I am a quick learner, detail-oriented, and enjoy solving complex problems. I am seeking an internship or entry-level role where I can continue to learn and grow in the field of data science while contributing to a dynamic team.

EDUCATION BACKGROUND

NIIT UNIVERSITY

Bachelor of Technology in Computer Science 2020 - 2024

SKILLS

- **Programming Languages:** R, Python, SQL

- **Machine Learning:** Scikit, NLTK, TensorFlow, Keras

- **Cloud and Database Systems:** MySQL, PostgreSQL, SQLite, MongoDB, AWS, Git, Docker

- **Data Visualization:** Numpy, Pandas, Matplotlib, Seaborn , Tableau, Power BI,

- **Design and Front-End:** Figma, Canva, Streamlit, HTML, CSS

- **Strong analytical and problem-solving skills**

PROJECTS

RESEARCH & DEVELOPMENT   Jan 2023 -May23

- Contributed to the development of a fenceless intruder detection system using lasers and computer vision.
- Implemented and fine-tuned the YOLO (You Only Look Once) model for real-time object detection and tracking.
- Optimized the YOLO model for efficiency and accuracy in identifying potential intruders.

SENTIMENT ANALYSIS   Jan 2023 -May23

- Explored the Amazon food review dataset, performed feature engineering, and trained various classifiers to predict sentiment.
- Implemented neural network models for sentiment analysis and compared their performance with traditional algorithms.
- Visualized the comparative results using appropriate data visualization techniques.

LIP READING APPLICATION   Jan 2023 -May23

- Developed a lip reading app utilizing deep neural networks as the core technology.
- Implemented state-of-the-art deep learning architectures to accurately interpret lip movements and convert them into textual information.
- Conducted extensive data preprocessing, feature extraction, and model training to optimize performance.

ACTIVITIES

Google Developer Student Club - NIIT University

- Technical Lead   (Feb 2023 - Present)
- AI/ML Lead   (Sep 2022 - Feb 2023)

Centre for Innovation Incubation & Entrepreneurship (CIIE)

Runner up at pitch preneur

Hult Prize NIIT University

Presented our idea of smart parking solutions