

A S Shivam

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EDUCATION

SRMIST, KATTANKULATHUR

B.Tech in Computer Science
Artificial Intelligence and Machine Learning
2021-2025
CGPA : 9.30

LINKS

Github:// SEKAINOHAKAISHA
LinkedIn:// A S Shivam

COURSEWORK

COURSERA

Introduction to Bash Shell Scripting

CISCO

Networking Basics

UNDERGRADUATE

Data Structures and Algorithms
Operating Systems
Database Management System
Object Oriented Programming
Offensive Security
NLP
Computer Vision
Statistical Machine Learning
Applied Machine Learning

MOOCS CERTIFICATION

Ethical Hacking by IITM

SKILLS

PROGRAMMING

Python • C • C++

PYTHON LIBRARIES

TensorFlow • Scikit-Learn • Pandas

WEB TECHNOLOGIES

HTML • CSS • JavaScript

TOOLS

PowerBI • Excel

OTHERS

Kali Linux • Windows • Shell Script

INTEREST

Reading • Philosophy
Linguistics • Research

STATEMENT

Focused on developing Machine Learning solutions to address complex challenges in the field of information security and environment. Eager to contribute my skills and knowledge to your organization.

EXPERIENCE

DEAKIN UNIVERSITY | Research Intern

Oct 2024 - Ongoing | Remote

CONDUCTING advanced research on anomaly detection using state-of-the-art models

- Implementing state-of-the-art anomaly detection algorithms.

TEDX SRMIST | LEAD - Curations

Aug 2022 – May 2025 | Chennai

PLATFORM FOR SPEAKERS from various backgrounds with unique ideas

- Managed speaker selection, refined speech content for 8 speakers.
- Teamwork • Collaboration • People Management

PROJECTS

SELECTING BEST 11 FOR T20 WORLD CUP 2022-23 USING DATA ANALYTICS | 2023

- Designed an interactive dashboard to display best 11 players selected.
- Utilized Selenium, requests, and BeautifulSoup for web scraping and parsing over 200+ extracted web pages.
- Employed PowerBI for fast data consistency checks and data cleaning.
- Developed 17 KPIs and created pages for each player role with filters applied based on criteria.
- Displayed selected 11 players on a separate page.
- Published an interactive dashboard on PowerBI for easy access.
- PowerBI • Python • Selenium

FOREST FIRE DETECTION USING RESNET50 | 2024

- Color intensity analysis to check the presence of fire.
- Optimized model to achieve an 88% accuracy with a 50% reduction in computational resources.
- GAN • CNN • TensorFlow • cv2

MENTAL HEALTH PREDICTION MODEL | 2024

- Attained Rank 83 out of 2687 participants in the competition.
- Employed Optuna for hyperparameter tuning of models in ensemble of CatBoostClassifier, XGBoost and LGBM with soft Voting Classifier.
- Attained a private score of 0.94123, less than 0.0005 behind the top score.
- Pandas • Numpy • Scikit-learn • Seaborn • LightGBM • CatBoostClassifier
- XGBoost • Optuna • VotingClassifier

ACHIEVEMENTS AND ACTIVITIES

Participant on competitive programming sites: Leetcode, HackerRank
Ranked in the top 3% globally on Kaggle's Playground Series S4E11 competition.