

S ARTHI

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EDUCATION

BTech Artificial Intelligence and Data Science, Chennai Institute of Technology

2021 – 2025
CGPA - 8.16

INTERNSHIP EXPERIENCE

LearnSmashers, Artificial Intelligence Intern

May 2024 – Jun 2024

- Acquired hands-on experience with **AI technologies** and **computer vision** techniques.
- Utilized machine learning algorithms to optimize real-time image processing tasks, achieving a **20%** reduction in computational load.

Oasis Infobyte, Data Analytics Intern

Feb 2024 – Mar 2024

- Gained expertise in **statistical analysis**, **predictive modeling**, and **data visualization** through projects, including house price prediction, customer segmentation analysis, and retail sales analysis.
- Demonstrated efficiency in handling datasets with **95%** accuracy in **data manipulation** and analysis using Excel.
- Optimized SQL queries to enhance data retrieval and processing by **80%** in complex databases.

PROJECTS

AI plagiarism Checker, (Transformers, Tokenizer, NLTK, Streamlit)

Jun 2024

- Designed and developed an plagiarism detection tool utilizing transformer-based **model(GPT-2)** for natural language processing.
- Implemented multi-language support, enabling the detection of AI-generated content across various languages by integrating **Google Translate API**.
- Attained an impressive accuracy rate of **86%** during evaluation, ensuring high reliability by incorporating perplexity and burstiness metrics.

RisEd Education, (Reactjs,Nodejs)

May 2024

- Developed a comprehensive educational website for students to learn online, utilizing HTML, CSS, JavaScript, React.js, and Node.js for the frontend application.
- Employed optimization techniques that resulted in a **15%** increase in website performance and improved user interface development processes, cutting production time by **40%**.

Face Emotion Detection, (OpenCV, Tensflow, Keras, CNN, Flask)

Sep 2023

- Developed a real-time face emotion detection OpenCV for **real-time video** capture and image processing, facilitating efficient emotion recognition within the Flask web application and has achieved a high accuracy rate of **93%**.
- Delivered a seamless and captivating user experience, enhancing user engagement and satisfaction through intuitive and responsive emotion detection.

Python E-Learning Tutorial, (Python - Tkinter, MySQL)

Oct 2021

- Developed Python tutorial application for students using Tkinter to provide user-friendly graphical user interface (GUI).
- Included a timer-based quiz feature at the end of each level to allow students leading to a **70%** increase in student engagement.
- Implemented a database for efficient storage and retrieval of user details and their scores, improving data management efficiency by **80%**.

CERTIFICATES

VYTCDC Software Solutions

Python with Data Science

Neo Orange Technology

Java Programming

Neo Orange Technology

Python Programming

Coursera

Google Data Analytics

Cisco

Cybersecurity Essentials

SKILLS

Programming Language

Python, Java

Frontend Frameworks

HTML, CSS, JavaScript

Backend Framework

Flask

Database

MySQL, PostgreSQL

Libraries

NumPy, Pandas, Sci-kit learn, Matplotlib, Seaborn, Tensorflow, OpenCV

Development Tools

Git, VS Code, Canva

Data Visualisation Tool

PowerBi

Data Science

Machine learning, EDA , Excel

CODING PROFILES

Leetcode

Problems Solved: 421 Contest rating: 1475

Skillrack

Problems Solved: 570

HackerRank

Python: 5 star badge Java: 5 star badge