



THANISLAUS IMMANUAL A

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Education

B.Tech in Artificial Intelligence and Data Science

Karpagam College of Engineering, Coimbatore

(2022 – 2025)

CGPA 8.23

Internships

Chaosology

Trainee, Tester

(SEPTEMBER 2024 – OCTOBER 2024)

Tirunelveli

- Worked on Sewage & Septic Management Project with Java, HTML, PHP.
- Acquired practical knowledge in HTML, CSS, java, database management

OctoNet

Developer

(JULY 2023 – AUGUST 2023)

- Developed a personal voice assistant like Siri, Alexa using python
- Implemented Natural Language processing (NLP)
- Used Python Libraries like SpeechRecognition, pyAudio, pyttsx3.

Certifications

Machine learning and Deep learning

NPTEL | Virtual

(September 2024 – October 2024)

- Well-versed in Machine Learning and Deep Learning principles, with a strong foundation in building, training, and fine-tuning intelligent models for diverse applications.

Qlik Sense Business Analyst Qualification

Qlik | Virtual

(September 2024)

- Proficient in designing, analyzing, and sharing reports to support strategic business outcomes.

IIT Spoken tutorial Course on Java

IIT Bombay | Virtual

(August 2024)

- Enhanced my skills in developing efficient business applications using Java.

Data Analytics with Python

NPTEL | Virtual

(January 2024 – April 2024)

- Well-versed in Probability, Hypothesis testing, ANOVA, Maximum Likelihood Estimation Regressions, Cluster analysis, Classification and Regression Trees, Calculation metrics, ROC and AUC curve, Chi-square test

Artificial Intelligence in Bio Medical Workshop

Chemplus'23, Ches | IIT Madras

(November 2023)

- Gained Knowledge in Concepts like Deep Learning, Neural Networks & Convolution Neural Networks
- Gained hands-on experience in Neural Networks and Deep Learning Algorithms

Basics on Cyber Security

(September 2023)

Code Clause | Virtual

- Gained basic knowledge in Authentication, Encryption, Firewall, Computernetworks

Python for Data Science

(July2023 – August 2023)

NPTEL | Virtual

- Gained knowledge in python libraries such as Numpy, pandas, Matplotlib, Scipy, TensonFlow, Scikit-learn, seaborn

Enhancing Soft Skills and Personality

(February 2023 – April 2023)

NPTEL | Virtual

- Enhanced my soft skill such as Time management, Problem solving, Communicationskills, Critical thinking, Creative thinking, Adaptability.

Key Projects

Wild Animal Detection | Single shot Detector with pytorch (January 2024 – May 2024)

- The scope of the project focusing on wild animal detection in residential areas and approach to the forest department as well as resident to avoid human- wildlife interaction.
- Developed a ML model using SSD DL algorithm using pytorch framework.
- Achieved a real-time wild animal detection in residential areas and enhancing public safety

Heart Disease Prediction | Auto ML frame work, MLOps, Streamlit, Docker

(March 2024 – April 2024)

- Scope of the project is to utilizing diverse datasets to train a model and predict heart disease for enhancing diagnostic accuracy and efficiency.
- Trained a AutoML Model and Deployed using Docker
- Frontend – javascript, CSS, Node.js, React.js
Framework – Django

Students Management System Web Application | HTML, CSS, Mysql

(October 2024 – November 2024)

- Developed a student management system web application for admission, handling attendance, marks and allot rank
- Database managed by Mysql
- Frontend developed using HTML, CSS, javascript.

Email Spam Classifier | Python, openCV, NLP, Scikit-learn (September 2023 – September 2023)

- Develop a machine learning model to classify emails as spam or not spam using natural language processing techniques.
 - Led the development and implementation of the model; utilized Python, Scikit-learn for model training, and Google colab for coding and collaboration.
 - Successfully created a robust spam classifier with high accuracy, improving email filtering efficiency and reducing spam-related issues.
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Technical skills

Languages

Python, C Programming, R programming, Java

Frontend

HTML, CSS, Javascript, React

Databases

MySQL, Oracle

FrameWorks

Django, Flask

Platforms

IntelliJ IDEA, Visual Studio Code, Eclipse, Colab, Jupyter Notebook

Tools/platforms

Docker, Github, Jenkins, Colab, Tableau

Machine Learning & NLP: Scikitlearn, Natural Language Processing (NLP), Text Preprocessing

Deep Learning & Computer Vision: TensorFlow, Keras, Convolutional Neural Networks (CNN), OpenCV

Soft Skills : Communication, Problem-solving, Time Management, Leadership, Creative thinking
