

Kavali Tharakananda

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Education

DEGREE	SPECIALIZATION	INSTITUTE	YEAR	CGPA
B.TECH	Artificial Intelligence & Data Science	Annamacharya Institute of Technology and Sciences-Rajampet	2021 – Present	81%
MPC(Intermediate)	Physics, Chemistry, & Mathematics	Sri chaitanya College	2021	88%
SSC	Common	Sri Vivekananda school	2019	99%

Experience

AI & ML Virtual Intern(Blackbucks Education Pvt Ltd) Feb 2025 – May 2025 (Ongoing)

- Developing **ML models** for predictive analytics and automation, implementing **supervised and unsupervised learning** techniques, and performing **data preprocessing and feature engineering**. Conducting **Exploratory Data Analysis (EDA)** to extract insights from real-world datasets and utilizing **Python, TensorFlow, and PyTorch** for model training. Optimizing models using **hyperparameter tuning methods** and evaluating performance with **metrics like accuracy and F1-score**. Deploying trained models for **real-world applications**.

Data Science Virtual Intern (Indo-Euro Synchronization) April 2023 – October 2023

- Hands-on experience in **Data Science**, working with **Python, SQL, and Data Visualization** to analyze complex datasets. Gained expertise in developing **predictive models** and performing **data analysis** to derive meaningful insights from real-world data.
- Collaborated on **industry-driven projects** with experts, focusing on **feature engineering, model evaluation, and optimization**. Applied advanced techniques to enhance model performance and ensure accurate machine learning solutions.

Projects

MediScan AI – Prescription Text Extractor

- Overview:** Developed an AI-powered prescription analyzer using *Gemini 1.5 Flash* and NLP, integrated into a *Streamlit-based* web app for seamless medicine extraction and analysis.
- Responsibilities:**
 - Implemented AI models for text extraction and medicine identification.
 - Designed an intuitive UI with real-time processing and multi-format support.
 - Planned future enhancements like multi-language support and a medicine interaction checker.

Breast Cancer Malignancy Predictor

- Overview:** Built a logistic regression model to predict breast cancer malignancy with efficient data handling, training, and evaluation.
- Responsibilities:**
 - Data Handling:** Load, preprocess, and split the breast cancer dataset for training and testing.
 - Model Training:** Train a logistic regression model using the training data to predict malignancy.
 - Model Evaluation & Prediction:** Evaluate the model's accuracy and build a prediction system for new data.

Email Spam Detection using Logistic Regression

- Overview:** Implemented logistic regression for classifying emails as spam or ham.
- Responsibilities:**
 - Processed email text with TF-IDF, trained logistic regression, and built a predictive system for spam or ham classification.

Personal Portfolio Website (Visit Here)

- Designed and developed a responsive portfolio using **HTML, CSS, and JavaScript**.
- Showcases projects, skills, and achievements with an interactive user interface.
- Implemented smooth animations and modern UI/UX principles for a professional look.

Achievements & Awards

- Participated in CodeCraft Hackathon, Feb-2k25, demonstrating coding skills and collaboration.
- Participation certificate in Tech-Marathon2k23 (technical bootcamp followed by 24 hrs).
- Certified in Advanced Data Science Internship Program.
- Silver Badge for solving 250 problems in CodeChef using Python.
- Completion certificate for solving all practice problems of 500 difficulty rating in CodeChef.

Technical Skills

Languages: Python, HTML, CSS, SQL, Basics of C, ML, Data Science

Tools: Google colab, Jupyter Notebook, VS Code, GitHub, Docker.

Coding Profiles

- HackerRank:** tharaknanda
- CodeChef:** tharak01

Professional Skills

- Strong **problem-solving, communication, and teamwork** abilities.
- Adaptable and flexible with a **positive attitude** and **professionalism**.