


## DEEPTHI V

B.Tech Artificial Intelligence and Data Science

Karpagam College of Engineering

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Deepthi2006

Examination	University	Institute	Year	CGPA (%)
Graduation	Anna University	KARPAGAM COLLEGE OF ENGINEERING	2023-2027	8.9
HSC	State Board	MALAR MHSS	2022	9.4

### KEY PROJECTS

#### Agriculture Chatbot | Python, Machine Learning, NLP

- A chatbot to help farmers by answering queries and providing agricultural advice.
- Improved NLP model accuracy and added domain-specific knowledge.
- Gained expertise in NLP, chatbot optimization, and real-world AI applications

#### Energy Consumption Prediction System | Machine Learning, MLOps, Docker, Flask

- Trained regression models on historical energy data and deployed using Flask inside Docker containers.
- Integrated MLOps practices for versioning (DVC), automation (Jenkins), and containerization (Docker).
- Enhanced skills in ML lifecycle management, containerization, and deploying production-ready AI systems.

#### Fake News Detection System | Scikit-learn, Flask, NLP, Pickle

- A web app to classify news headlines as real or fake using multiple ML algorithms.
- Tested 5 algorithms and deployed the best one using Flask with model loading via Pickle.
- Sharpened ML evaluation, Flask integration, and deployment strategies for lightweight apps.

#### YouTube Sentiment Analysis App | Flask, YouTube Data API, NLP, TextBlob,ML

- Developed a web app to analyze sentiment from YouTube video comments.
- Integrated YouTube Data API to extract comments and used TextBlob for sentiment analysis.
- Improved skills in API integration, NLP, and building user-friendly Flask applications.

### CERTIFICATIONS

- Python for Data Science (NPTEL)
- Buisness analyst Qualification(QLIK)
- Design and Analysis of algorithms(NPTEL)
- PostgreSQL(RDBMS)
- Java (RDBMS)
- Intenship at Prodigy infotech.
- IOT (NPTEL)
- Bytes python certificate.

### SKILL SET

Skills		Soft Skill	Tools	ML/DL frameworks	
Python	Java HTML & CSS	Communication	Git,Docker	Numpy	Tensorflow
SQL		Adaptability	Jenkins	Pandas	Matplotlib
			Google Colab	Keras	

### SCHOLASTIC ACHIEVEMENTS

- Won 1 st place in The Orator's Voice .
- 100 days badge at Leetcode.
- Clinched 2rd Prize in Paper Presentation by Orator's Club

### EXTRA-CURRICULARACTIVITIES

- Participated in various hackathons including SmartIndiaHackathon
- Participated in Gamathon by Dream11
- Solved 100+ plus problems in Leetcode and Geeks for Geeks.
- Participated in various coding contest.
- Secretary in Orators club,Karpagam College of Engineering.
- Participated in various Elocution and Blog writng contest.
- Participated in K-Eureka by Karpagam College Of Engineering.