

# MC DHANUSH

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## EDUCATION

**Amrita Vishwa Vidyapeetham**

B.Tech CSE-AI

**FIITJEE**

JEE Mains (B.E./B.Tech.)

**Maharishi International Residential School**

AISSCE - PCMC

**Siddharth Village School**

AISSE - Secondary School

*Oct 2022 – Present*

**Coimbatore, India**

*Feb 2020 – June 2022*

**Sriperumbudur, India**

*Feb 2020 – June 2022*

**Sriperumbudur, India**

*Feb 2018 – March 2020*

**Hosur, India**

## EXPERIENCE

**Titan Engineering and Automation Limited (TEAL)**

Project Intern

*June 2024 – July 2024*

**Hosur, Tamil Nadu, India**

Worked on supply chain optimization using SAP ERP and data-driven insights.

Conducted forecast error prediction, seasonality, and trend analysis with ML techniques.

**Cybersecurity-NXXT Pvt. Ltd**

AI&ML Intern

*April 2025 – Present*

**Coimbatore, Tamil Nadu, India**

Working on a Secured Code Reviewer project focused on detecting vulnerabilities and enforcing secure coding standards through automated code analysis in local environment.

## SKILLS

**Languages:** Python, Matlab, C, and Java

**Tools:** VS Code, Jupyter Notebook, PyCharm

**Domain:** AI, Machine Learning, Deep Learning, Speech Processing, NLP, Computer Vision

**Soft Skills:** Communication, Teamwork, Problem Solving, Leadership

## CERTIFICATIONS

Infosys Artificial Intelligence Foundation Certificate

IBM Python for Data Science, AI & Development

Supervised Machine Learning: Regression and Classification

## PROJECTS

### • Linguistic to Logic - The SQL Converter

Developed a system that translates English statements into SQL queries for dynamic visualizations.

Enhanced accessibility for non-technical users with built-in database support.

### • SpeakSee - Silent Speech Recognition with Bi-LSTM

Developed a lip-reading system using 3D CNNs and Bi-LSTMs with CTC loss to transcribe silent speech from video.

Achieved 94% accuracy on the GRID dataset.

Applications include assistive tech, silent interfaces, and speech recognition in noisy environments.

### • Hate Speech Detection using BiLSTM and Word Embeddings

Built a multi-label hate speech classifier using BiLSTM with attention and Word2Vec.

Trained on Jigsaw and YouTube datasets. Used ADASYN for class imbalance.

Evaluated with accuracy, precision, recall, and F1-score. The system classifies toxic content to support real-time content moderation and safety on-line.

## EXTRACURRICULAR ACTIVITIES

### • Mobile Video Production

### • Organized Senior State Para Swimming Championship - 2024 [Organiser]

### • Sadhana Club [Media Head, Core Member]

A club dedicated to exploring spirituality and Indian culture through logic, real-life analogies, storytelling, bhajans, enlightening talks, and transformative experiences.

Actively participated in insightful discussions, spiritual trips, and cultural activities.

### • Kovai Youth Conclave – Y4N (March 2025)

Selected and participate in a prestigious national-level conclave organized by Youth4Nation, fostering leadership, patriotism, and cultural awareness among youth.