DHANUSH KUMAR MALLU

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EDUCATION

UNIVERSITY OF MICHIGAN, ANN ARBOR **Ann Arbor, MI**
Master of Science, Computer Science and Engineering *May 2026*

R.M.D ENGINEERING COLLEGE, ANNA UNIVERSITY **Chennai, INDIA**
Bachelors of Engineering, Computer Science and Engineering *April 2024*
CGPA: 9.14 / 10

SKILLS

Programming Languages*: Python, C, Java, HTML, CSS, JavaScript*
Machine Learning/ AI*: TensorFlow, Keras, Pandas, Matplotlib, Numpy*
Certifications*: The Complete Python Programming Course, Artificial Intelligence, AI for Everyone, Google Data Analytics, Introduction to Big Data, What is Data Science.*

PROJECT EXPERIENCE

Think Lab - An Educational Vision Application

- *"Think Lab App" is an innovative educational tool designed to help students develop a positive and constructive vision for their academic careers. This app offers a range of features and functionalities aimed at guiding students towards setting and achieving meaningful educational goals and aspirations.*

Learn4Growth - Competitive Exam Education App

- *Designed and developed a user-friendly mobile application empowering students to effortlessly address and clarify academic doubts by simply scanning QR codes associated with specific questions, enhancing learning engagement and facilitating seamless knowledge acquisition.*

Ground Water Purity Prediction using Machine Learning

- *Implemented a machine learning model in Google Colab that predicts the purity of groundwater using Pandas and Matplotlib, aiding in the study of the environment and public health*

Machine Learning Based Sentiment Analysis and Recommendation System for Movie Reviews

- *Designed and implemented an AI-driven movie rating and review system that analyzes user feedback to provide precise and personalized movie recommendations, enhancing the user experience and supporting data-driven decision-making in the entertainment industry.*

Robust Human Target Detection and Acquisition using Deep Learning

- Focused on utilizing advanced deep learning techniques to develop a system capable of robustly detecting and acquiring human targets. Developed a technology that can accurately identify and track individuals even in challenging real-world conditions, making it valuable for various applications, including surveillance, robotics, and security.

Voice Controlled Personal Assistant (Python)

- *Developed a Python based voice assistant using speech recognition, GTTS, web automation, PyWhatKit for PC control with voice commands.*

PUBLICATIONS

1. *"An Educational Vision Application Think lab" in the International Journal of Early Childhood Special Education (Web of Science) , February 2022*
2. *"Meta World for Blind People using Augmented Reality " DRDO sponsored National Conference on Cyber Security CyberSynapse'23, September 2023*
3. *"Advancements in Autonomous Vehicle Object Detection and Tracking Systems" at the 5th International Conference of Emerging Technology INCET 2024, May 2024*