

MIRUDHULA D

Chennai, India — ☎ [+91-8754697359](tel:+91-8754697359) — ✉ mirudhdla.d534@gmail.com — 🌐 [MIRUDHULA-DHANARAJ](#)

SUMMARY

B.Tech graduate in AI & Data Science with hands-on experience in AI and IoT projects. Developed real-world solutions leveraging ML, NLP, and Computer Vision. Proactive, adaptable, and passionate about contributing to innovative AI/IT solutions that create measurable impact.

EDUCATION

Saveetha Engineering College

B.Tech in Artificial Intelligence and Data Science

2021–2025

Chennai, India

St. Joseph's Anglo Indian Girls' HSS

Higher Secondary

2021

Trichy, India

TECHNICAL PROFICIENCIES

Languages: Python, C, Java, JavaScript, SQL

AI & Data: Machine Learning, NLP, Computer Vision, Deep Learning, Data Analysis

Tools & Frameworks: TensorFlow, PyTorch, Scikit-learn, OpenCV, Pandas, NumPy, Power BI

Dev Tools: Git/GitHub, VS Code, Android Studio

EXPERIENCE

Retech Solutions Pvt. Ltd. | *AI Intern*

2024

- Implemented iris recognition using **YOLOv8**, achieving **95% accuracy** on test datasets.
- Contributed to dataset preparation, model training, and evaluation for improved accuracy.
- Gained hands-on experience in computer vision pipelines and applied deep learning models to real-world scenarios.

Lattiv Tech Labs | *IoT Intern*

2023

- Optimized IoT sensor workflows, improving system reliability by **20%**.
- Assisted in designing and testing IoT solutions with a focus on data communication and system reliability.
- Strengthened understanding of IoT workflows, embedded systems, and real-time data handling.

PROJECTS

AI-Digital Twin | Python, Machine Learning, NLP, IoT

- Developed an AI-powered digital twin system leveraging ML, NLP, and IoT.
- Enabled personalized adaptive assistance and predictive decision-making, improving user efficiency by 30%.
- Ensured privacy and security with robust data handling.

Social Media Analytics Tool | Python, APIs, Sentiment Analysis, Data Visualization

- Created a tool integrating Twitter and Instagram APIs for real-time data analysis.
- Utilized ML and sentiment analysis to identify trends and engagement patterns.
- Delivered actionable insights with Matplotlib visualizations.

CERTIFICATIONS

Coursera: Introduction to Programming with MATLAB

Coursera: Mobile App Development Using Machine Learning

Simplilearn: Introduction to Data Mining

Coursera: AI Projects with Python

Coursera: Architecting Smart IoT Devices