

MIRUDHULA D

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SUMMARY

B.Tech graduate in Artificial Intelligence & Data Science with expertise in data engineering, machine learning, and NLP. Skilled in building scalable data pipelines, deploying ML models, and extracting insights from complex datasets. Passionate about applying AI/ML to solve real-world business challenges.

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, SQL, Java, C, JavaScript

ML/AI: Machine Learning, Deep Learning, NLP, Computer Vision, Predictive Modeling

Big Data: Apache Spark, Hadoop, Hive

Data Tools: Pandas, NumPy, Scikit-learn, TensorFlow, PyTorch, Power BI

DevOps/Deployment: Git/GitHub, Model Deployment, VS Code, Android Studio

EXPERIENCE

Retech Solutions Pvt. Ltd. | AI Intern

2024

- Implemented iris recognition using **YOLOv8**, achieving **95% accuracy**.
- Performed data preprocessing, feature engineering, and model training for improved accuracy.
- Collaborated with AI team on computer vision pipelines, applying deep learning to real-world datasets.

Lattiv Tech Labs | IoT Intern

2023

- Optimized IoT sensor workflows, improving system reliability by **20%**.
- Worked with real-time data handling and integration pipelines for IoT devices.
- Strengthened understanding of scalable data collection and processing in IoT systems.

PROJECTS

AI-Digital Twin | ML, NLP, Predictive Analytics, IoT

- Built an AI-powered digital twin for predictive decision-making using ML, NLP, and IoT.
- Designed scalable pipelines for user data ingestion and processing.
- Improved personalization efficiency by 30% through predictive modeling and feature engineering.

Social Media Analytics Tool | Python, APIs, Sentiment Analysis

- Integrated Twitter & Instagram APIs for real-time social media data collection.
- Applied sentiment analysis & NLP to uncover user behavior trends.
- Generated dashboards with actionable insights using data visualization.

CERTIFICATIONS

Coursera: AI Projects with Python

Coursera: Mobile App Development Using ML

Coursera: Architecting Smart IoT Devices

Simplilearn: Introduction to Data Mining

Coursera: Introduction to Programming with MATLAB