

SINDHU S

2/116, Sailyorapatti K Mottur, Gudiyattam, Vellore, Tamil Nadu – 632601|Phone: 8096997262|Mail:sindhu809699@gmail.com

OBJECTIVE

I am a self-motivated, highly passionate, and hardworking individual looking for an opportunity to work in a highly challenging and competitive world to increase my knowledge and grow with the organization

EDUCATION

Master of Engineering – Computer Science and Engineering (Pursuing)
Government College of Engineering, Tirunelveli | Expected Graduation: 2026

Bachelor of Technology – Electronics and Communication Engineering
Marri Laxman Reddy Institute of Technology and Management, Hyderabad | 2018 – 2022

HSC – Narayana Junior College
SSC – Army Public School, CBSE

PROFESSIONAL EXPERIENCE

Engineer Trainee – Cognizant, Chennai (Dec 2022 – Apr 2023)

PUBLICATIONS

- Stock Price Prediction using Deep Learning — Published in International Journal of Progressive Research in Engineering Management and Science (IJPREAMS), 2025.

PROJECTS

House Price Prediction Web App

- Built a regression-based solution in Python/Scikit-learn with preprocessing and visualization.
- Designed interactive predictions for property prices using multi-feature datasets.

Stock Price Prediction Platform (Journal Publication)

- Published paper on time-series forecasting using hybrid CEEMDAN+LSTM/XGBoost/LightGBM Framework for stock market prediction.
- Designed reusable pipelines for data ingestion, feature engineering, and model evaluation.
- Tools: Python, Pandas, NumPy, TensorFlow/Keras.

Real-Time Object Detection using YOLO and OpenCV (UG Project)

- Implemented a YOLO-based deep learning model integrated with OpenCV for real-time object detection.
- Built a live video detection system capable of identifying and tracking objects with bounding boxes.
- Tools: Python, OpenCV, YOLOv3, NumPy.

Skin Lesion Segmentation (Academic Project)

- Designed a hybrid Vision Transformer + U-Net model for medical image segmentation.
- Applied EigenCAM explainability to improve interpretability.
- Evaluated performance using IoU and Dice Score.

TECHNICAL SKILLS

- Data Analysis: Python SQL (MySQL), Excel, Google Sheets
- Visualization: Matplotlib, Seaborn
- Machine Learning: TensorFlow, Keras, PyTorch

- Tools: Google Workspace (Docs, Sheets, Gmail, Chrome), GitHub, Jupyter Notebook
- Soft Skills: Problem Solving, Critical Thinking, Teamwork, Communication, Adaptability

INTERNSHIPS & COMPETITIONS

- Machine Learning Intern – SmartBridge (IBM Collaboration): Built a recommendation system using ML pipelines; practiced Git-based collaboration.
- Hackathon (36Hrs – IoT for Smart Life): Created a real-time home automation prototype; won Merit Certificate.
- Poster Presentation (TechFest – 2nd Place): Presented advancements in AI & Robotics.

LANGUAGES

English (Fluent) | Tamil (Native) | Telugu (Proficient) | Hindi (Proficient)

DECLARATION

I hereby declare that the above information is true to the best of my knowledge and belief.