# KAVILA VISWANATHAN

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## CAREER OBJECTIVE

Passionate fresher with a strong academic background, excelling in logical thinking and problem-solving. Eager to apply skills and knowledge to innovative projects within a professional environment

## EDUCATION

**KONGU ENGINEERING COLLEGE**

- B-Tech in AI&DS | **8.31 CGPA**

**LITTLE ANGELS HIGHER SECONDARY SCHOOL**

- Grade 12 | 2021 | 90.4%
- Grade 10 | 2019 | 90.8%

## AREA OF INTEREST

- Data Structure

## TECHNOLOGY STACK

- **Languages:**
  Java ,SQL, HTML, CSS
- **Databases:**
  MongoDB, MYSQL
- **Tools:**
  Power BI, Figma
- **Frameworks/Libraries**
  Keras, ReactJS

## PERSONAL SKILL

- Energy and Environment Conservation club (EEC)
  Executive Member
  Aug - Dec 2023
- Computer Society of India club (CSI)
  Member
  Sept 2022 - May 2024

## PROJECTS

### Deep LEARNING

**Diabetic Retinopathy Detection** | Github
- Created **AI model** with CNN & DenseNet
- Achieved **80.11%** accuracy in early detection

**Tamil Character Recognition** | Github
- Built a deep learning model for Tamil character recognition from ancient inscriptions and enhanced accuracy.

### DATA ANALYSIS

**AirTraffic in and out of India** | Github
- Analyzed air traffic data using **PowerBI**
- Developed visualizations and actionable insights

### FULL STACK

**NSS Volunteer App** | Github
- Developed app with user/admin interfaces using **React JS**
- Enhanced engagement and **cut onboarding time by 30%**

**Fitness Tracker** | Github
- Built **Java**-based **CLI** application
- Managed data with **MySQL**, implemented error handling

### UI / UX DESIGN

**Hotel Booking App UI** | Github
- Designed user-friendly interface
- Created wireframes, color schemes, and booking flow

## INTERN EXPERIENCE

**UTP Virtual Research Attachment Programme(VRAP)**
Machine Learning Intern | Jan - Apr 2024 | Github

**Title** : Machine Learning Optimization for Energy Systems
- Predicted **Remaining Useful Life** (RUL) of batteries using machine learning with boosting models

## PUBLICATION

- Detection and Stage Classification of Diabetic Retinopathy through Deep Learning at **ICCI** in JAN 2024

## ACHIEVEMENTS

- Won **2nd place** for presenting **Predictive Analytics in Healthcare** at VIVERE 2K'23, Kongu Engineering College.
- Attained Kaggle Expert Status