

KARTHIK KANNAN

B.TECH - ARTIFICIAL INTELLIGENCE AND DATA SCIENCE

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EDUCATION

RMK Engineering College 2021-2025

Artificial Intelligence and
Data Science **CGPA – 7.78**

Velammal Vidhyashram

Higher Secondary

Class 12 Grade – 84.20 %

Class 10 Grade – 82 %

PROFILE

I am hardworking, honest and trustworthy. I am consistent and open to picking up new abilities. I am also kind, accommodating, courteous and flexible in character. I have the ability to operate both individually and in teams in a dynamic workplace. An outgoing and tactful individual with good listening skills. I'm eager to learn new skills and adaptive enough to function in any situation.

- **Leadership**
- **Team work**
- **Adaptability**
- **Problem Solving**
- **Decision making**

INTERNSHIPS

- **Data Analyst Role** – Retech Solutions , Tambaram , Chennai.
- **Machine Learning** – YBI Foundations.
- **Artificial Intelligence** – Skill Vertex.

ACADEMIC ACHIEVEMENTS

1. PATENTS

- Approved patent for **Smart Mirror Automation** from TN Government.
- Designed an interactive mirror with time, calendar, reminders, voice support, and **personalized hairstyle recommendations** for a better user experience.

2. PROJECTS

- **SepsisPredict** : Leveraging a blended ensemble of **XGBoost, RandomForest, and CatBoost** for accurate sepsis prediction.

KEY HIGHLIGHTS :

ML: BLENDING - FLASK - REPORTLAB

TECHNICAL SKILLS

- **Languages** : C , Python
- **Database** : MySQL
- **Markup Languages** : HTML, CSS
- **Techniques** : ML Techniques
- **Tools** : PowerBI, Figma
- **Web Framework** : Flask

DIAGNOSING DEMENTIA USING SCANS

- **MIND HEAL** : Developed a website to diagnose dementia by analyzing brain scans, aiding in early detection and treatment.

KEY HIGHLIGHTS :

CNN - MACHINE LEARNING - AI - COMPUTER VISION

HACKATHONS

- Tomato Grand Challenge-2023
– Pre Finals
- Smart India Hackathon-2023
– Pre Finals

AIRLINE CHATBOT TO IMPROVE CX

- **AeroAssist** : Optimized for NLU to enhance the flight experience, reduce redundant calls, and manage ticket details and loyalty queries with precision.

KEY HIGHLIGHTS :

AI - DIALOGFLOW - NLU - RASA

LANGUAGES KNOWN

- ENGLISH
- HINDI
- TAMIL
- SOURASHTRA (Native)

ON-GOING PROJECT

- Lact-O-Probe : A Smart Milk Quality Assessment Device using Colorimetric Sensors.

THINKSPEAK – BLINKIoT – ESP-32

ENTREPRENEUR COMPETITIONS

- STARTUP CAFE – 2024
- STAR WARS – 2024
- IDEA PITCHING COMPETITION – 2023
- MARKET STRATEGY COMPETITION

IIC COMPETITIONS

- POSTER PRESENTATION – 2023
- IIC INNOVATION COMPETITION

CERTIFICATIONS

EDX

- AWS Cloud Practitioner

Infosys Springboard

- Computer Vision
- Introduction to NLP

NPTEL

- Python for Data Science
- Introduction to IoT

CODING PLATFORMS



[SkillRack Profile URL](#)



[Hackerrank Hackos](#)



[Leetcode Profile](#)

3.STARTUP - TECH BASK

- Founded and established TechBask, a technology focused startup, and successfully registered it as an MSME.

4.OTHER ACHIEVEMENTS

GDSC – WEB 3 Co Lead

Appointed **Co-lead** of Google Developer Students Club, RMK, focused on **Web 3**.

Conquered first Prize at Innovation Competition

Secured **2nd place with a ₹10,000 prize** at Sci-IQ Project Expo 2023, Saveetha Engineering College.

Innovation Project Competition

Secured **1st place with a ₹10,000 prize** in the Innovation Project competition by the Science and Innovation Club.

Tech Club Project Competition

Secured **2nd place with a ₹2,500 prize** in collaboration with the Analytics Society of India (ASI).

PARTICIPATIONS

E-Yantra Robotics Competition

Participated in E-yantra Robotics competition 2023 conducted by **IIT Bombay**, advancing to the pre-finals stage.

ISTE Mathematical Competition Competition

Participated in Srinivasa Ramanujan Mathematical Competition conducted by **ISTE Tamil Nadu section** and excelled in Round – 1 : Chapter Level and Round – 2 : State Level