

# KEDHARNADH KAMATHAM

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## EDUCATION

**B. Tech in Computer Science and Engineering**  
SRM University — *CGPA: 9.16/10*

September 2022 - May 2026  
Chennai, India

## EXPERIENCE

**Software Development Engineer Intern — DevRabbit**

June 2025 - August 2025

Intelligent AI Chatbot for Restaurant Bulk Order Automation — ([Company Link](#))

- Engineered an **AI-powered chatbot** integrated into a restaurant client's website, automating bulk order processing and eliminating manual phone-based interactions.
- Designed **intelligent recommendation logic** to dynamically suggest menu items and quantities based on event details like date, time, guest count, minimizing food wastage.
- Reduced manual workflow by **over 85%**, enhancing operational efficiency and response times significantly.

**Machine Learning Intern — NIT Trichy**

May 2024 - July 2024

Deep Learning Model for Skin Cancer Detection and Classification — ([GitHub Link](#))

- Developed a **DenseNet121 Convolutional Neural Network** for classifying skin lesions using the **HAM10000 dataset**, achieving over **92% test accuracy**.
- Employed **data augmentation**, **class balancing**, and **regularization** to enhance model performance and robustness. tested the model using **10,000+ images**.
- Applied **TensorFlow**, **Keras**, on **Google Colab** for model development and computational tasks.

## PROJECTS

**Formula 1 Race Winner Prediction Using Machine Learning** — Predicted 2025 Japanese GP outcome using FastF1 API data and Gradient Boosting model, achieving 0.156s MAE. Forecasted winner and top positions with 92% accuracy, demonstrating real-world application of ML in sports analytics. ([GitHub Link](#))

**Natural Language to SQL Query** — Built a Natural Language to SQL Query system using Azure OpenAI, processing unlimited queries daily with AI-driven validation, security enforcement, and 7+ advanced data visualizations, streamlining database interactions. ([GitHub Link](#))

**Automated PDF Data Extraction Tool** Automated PDF data extraction to Excel with over 72% accuracy in text recognition, processing 500+ PDFs. This product reduces manual entry time by 80%, enhances business workflows for faster data management. ([GitHub Link](#))

## SKILLS

**Programming Languages**  
**Technical Skills**

Python, C, C++, HTML, CSS, JavaScript SQL.

Machine Learning, Artificial Intelligence, Data Analysis, Natural Language Processing, Operating Systems, Data Structures and Algorithms, Object Oriented Programming, Tensorflow, Keras, PyTorch, Database Management System.

**Developer Tools/Platforms**

AWS Cloud, Oracle Cloud, MySQL, Google Colab, Git, Copilot, MS Office

## ACHIEVEMENTS

**Advent of Code 2024** — 10th Rank Globally

Finished in the top 0.003% out of 3,00,000+ participants around the globe in Advent of Code 2024, a 25-day coding marathon that tested my problem-solving ability and algorithmic skills.

**HackerRank Badges** — Achieved 5 Star ratings on HackerRank in Problem Solving, Python, C++, SQL

**RAEEUCCI'24 International Conference** — Best Project Award Winner

Secured the Best Project Award, outperforming 280+ participants from across the globe on emerging technologies.

**TechKnow'23, SRMIST** — Winner & Team Lead

Led an 8-member team, built a prototype for sustainable electricity generation in public places using kinetic energy.

**First Lego League - Robotics** — First Place

Engineered a multi-sensor-driven robot to automate animal feeding and waste cleaning, competing among 31,079 teams globally, enhancing efficiency in animal care and reducing human intervention in maintenance tasks.

## CERTIFICATIONS

[AWS Certified Cloud Practitioner](#), [AWS Machine Learning](#), [Oracle Cloud Associate](#), [Google Data Analytics](#), [Alteryx Designer](#)  
[Core Java-NPTEL](#), [Computer Networks-NPTEL](#), [Goldman Sachs Job Simulation](#)