

KEDHARNADH KAMATHAM

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[LinkedIn](#) ◇ [LeetCode](#) ◇ [HackerRank](#) ◇ [GitHub](#) ◇ [Portfolio](#)

OBJECTIVE

Software Engineer with strong foundations in DSA and OOP, skilled in AI/ML, LLM's, Agents and Cloud Technologies.

EDUCATION

B. Tech in Computer Science and Engineering

September 2022 - May 2026

SRM University — *CGPA: 9.06/10*

Chennai, India

SKILLS

Programming Languages

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

Technical Skills

Machine Learning, Data Analysis, Operating Systems,
Data Structures and Algorithms, Object Oriented Programming,
Version Control, Web Development, Database Management System.

Developer Tools/Platforms

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

Soft Skills

Problem Solving, Innovation, Teamwork, Adaptability, Growth Mindset

EXPERIENCE

Machine Learning Intern — NIT Trichy (On-Site)

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](#))

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.

LEADERSHIP

Student Coordinator & Organizer — Bureau of Indian Standards, SRMIST Chapter

July 2023 - Present

Innovation Space Mentor — Regional Science Center, Tirupati

February 2017 - Present

CERTIFICATIONS

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