

# KEDHARNADH KAMATHAM

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[LinkedIn](#) | [GitHub](#) | [Portfolio](#)

## EDUCATION

- **B. Tech in Computer Science and Engineering** | SRM University, Chennai | **CGPA: 9.06/10.** (May'2026)  
**Relevant Coursework:** Object-Oriented Programming, Databases, Discrete Mathematics, Data Structures and Algorithms, Operating Systems, Computer Networks, Machine Learning, Agile Methodology, Design Thinking.

## SKILLS

- **Languages & Skills:** Python | C/C++ | SQL | HTML/CSS | AI/ML | API Automation | Cloud | DevOps.
- **Frameworks & Libraries:** PyPDF2 | Tensor Flow | Keras | Streamlit | React | Selenium.
- **Developer Tools:** MySQL | Google Colab | Jupyter Notebook | GitHub | Microsoft Office.
- **Soft Skills:** Problem Solving | Innovation | Leadership | Teamwork | Adaptability | Growth Mindset.

## WORK EXPERIENCE

**Machine Learning Intern | NIT TRICHY (On-Site)** (May'24 – July '24)

**Deep Learning Model for Skin Cancer Detection and Classification** | [GitHub LINK](#)

- Developed a **Convolutional Neural Network (CNN)** for classifying skin lesions using the **HAM10000 dataset**, achieving over **62% validation 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.

## PROJECT WORK

**Automated PDF Data Extraction Tool** | [GitHub LINK](#) (Aug'24)

- 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.

**Inventory Automation System** | [GitHub LINK](#) (Nov'23)

- Implemented innovative automation tools within the inventory management framework for business application which reduced time spent on updates by 73%, enhancing overall client interactions during peak periods.

**Hospital Management System** | [GitHub LINK](#) (Oct'22)

- Designed an efficient hospital management software through C++ that streamlined appointment scheduling for more than 1,000+ patients while maintaining the hospital records enhancing user-friendly experience.

## ACHIEVEMENTS

- **Advent of Code 2024 - 10<sup>th</sup> Rank globally** among 3 Lakh+ participants around the world. (Dec'24)
- **Pair Programming hackathon** organized by JA Assure (Singapore). (Aug'24)  
**Finalist** in a 72-hour Hackathon with 130+ teams and 260+ participants, developing "PDF Data Extraction Tool" using AI/ML, while leading task delegation, coordination, and project completion, gaining skills in leadership, teamwork, and time management.
- **Winner - Best project award** at **RAEEUCCI'24, International Conference.** (May'24)
- **Winner - Led a team of 8 members** and won **best project award** at TechKnow'23, SRMIST. (Apr'23)
- **Gold Medal** in Robotics at **First Lego League** held at Hindustan University, Chennai. (Oct'17)

## POSITIONS OF RESPONSIBILITY

- **Student Coordinator & Organizer** | Bureau of Indian Standards, SRMIST Chapter. (Jul'23- Present)
- **Technical & Corporate Member** | IEEE, SRMIST 'SB. (Mar'23-Present)
- **Innovation Space Mentor** | Regional Science Center, Tirupati. (Feb'17-Present)

## CERTIFICATIONS

- **COURSES:** [Google Data Analytics](#) | [AWS-Machine Learning](#) | [Python](#) | [Database Management Systems](#) | [Java-NPTEL](#) | [Computer Networks-NPTEL](#) | [Oracle Cloud Associate](#) | [Google Technical Support](#) | [Goldman Sachs Job Simulation](#)