

# SANTHOSHKUMAR K

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<https://santhosh26-k.github.io/New-Portfolio>

## SUMMARY

Creative and passionate Web Developer and Tech Enthusiast with a solid understanding of frontend and backend development. Skilled in building responsive, user-friendly, and visually appealing web applications. Dedicated to continuous learning, problem-solving, and delivering innovative digital experiences that combine technical precision with creative design to enhance user satisfaction and business impact. Eager to contribute to impactful projects and growth.

## EDUCATION

Kalasalingam Academy Of Research And Education  
B Tech - Information Technology  
CGPA : 7.9 / 10

Sep 2022 - May 2026

## PROJECTS

### Eco Crops

Mar 2023

- Developed a smart agriculture assistance application to support farmers with crop planning and cultivation using technology.
- Implemented season based crop recommendations, real time weather insights, location based guidance, and offline access to improve decision making and usability in low connectivity regions.
- Tech Stack :** Android Studio, Flutter, Dart, REST API Integration, JSON, Git

### Print Connect

Jan 2025

- Developed a digital platform connecting students with nearby print shops to enable seamless, efficient, and contactless document printing.
- Implemented features like online document upload, customizable print options, secure payments, and real-time order tracking to enhance user experience and operational efficiency.
- Tech Stack :** React, Java, Spring Boot, SQL, Stripe, Docker

### AI - Driven Glaucoma Detection

Sep 2025

- Developed an AI-powered glaucoma detection system using Convolutional Neural Networks (CNN) and Grad-CAM to analyze retinal fundus images, achieving accurate and explainable early diagnosis.
- Integrated Grad-CAM visualization to highlight critical eye regions influencing the model's predictions, enhancing transparency and trust for ophthalmologists.
- Tech Stack :** HTML, CSS, JS, Python, Flask, REST APIs, CNN, Grad-CAM, SQL

## TECHNICAL SKILLS

- Programming Languages :** Java, Python
- Web Development :** HTML, CSS, JavaScript, React JS (Basic)
- Database Technologies :** SQL, MySQL
- Design Tool :** Figma, Framer, WordPress, Canva
- Concepts & Techniques :** Web Development Fundamentals (HTML,CSS,JS), Responsive & User-Friendly Application Design, Version Control (Git), Problem Solving & Logical Thinking.

## CERTIFICATES AND ACHIEVEMENTS

- Explore AI - Microsoft Learn
- Front End Development - HTML,CSS,JS - Great Learning Academy
- Communication Skills – TCS iON
- SQL and Relational Databases – IBM
- ECO CROPS: Designed, developed, and published a smart agriculture assistant app on the Amazon Appstore.
- Presented the paper “PRINT CONNECT: A Digital Bridge Between Students and Print Shop” at ICSIE 2025, Chennai, India.