

Magesh K

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Career Objective

Enthusiastic Web Developer with hands-on experience in front-end and back-end development, specializing in HTML, CSS, JavaScript, React.js, Java, and Spring Boot. Skilled in building responsive, scalable, and user-friendly web applications, integrating RESTful APIs, and solving complex problems through strong debugging and analytical abilities

Education

Bachelor of Technology in Artificial Intelligence and Data Science

May 2026

IFET College of Engineering, Villupuram

CGPA: 7.6

Technical Skills

Frontend Development: HTML, CSS, JavaScript, React.js

Backend and Databases: Python, Java, REST APIs, Spring Boot, PostgreSQL

Version Control: Git, GitHub

Core Skills: Problem Solving, Debugging, Analytical Thinking, Code Optimization

Soft Skills: Communication, Collaboration, Adaptability, Self-Motivation

Projects

Breast Cancer Detection and Segmentation Using PGSS U-Net and MeraNet

Tools: Python, TensorFlow, Keras, Streamlit

- Implemented a dual deep-learning pipeline for mammogram segmentation and classification using PGSS U-Net and MeraNet.
- Achieved accurate tumor region extraction (3,664 images) and multi-class prediction (6,774 images).
- Built an interactive Streamlit UI for segmentation, classification, and confidence-based prediction.

Breast Cancer Classification on MRI Images using XG-Vector

Tools: Python, Scikit-learn, XGBoost

- Developed a hybrid XGBoost + SVC model for 3-class MRI image classification.
- Improved accuracy through optimized feature extraction and ensemble learning techniques.
- Automated the full prediction pipeline using Python and Scikit-learn.

Real Estate Marketplace for Home & Land Sales and Rentals

Tools: HTML, CSS, JavaScript, Backend API, SQLite

- Built a web-based marketplace for listing, buying, selling, and renting properties.
- Implemented user authentication, image uploads, and advanced search with CRUD APIs.
- Designed a fully responsive UI with clean layouts and seamless backend integration.

Internship

Full Stack Development Intern — Macx Technologies, Cuddalore

June 2024

- Developed responsive web pages using HTML5, CSS, and JavaScript.
- Worked with MySQL for database design and backend integration.
- Collaborated using Git for version control and project management.

Certifications

Java Programming — **IBM**

Python Programming — **IBM**

AWS — **Simplilearn**

Machine Learning Using Python — **Simplilearn**

SQL Relational Database 101 — **CognitiveClass**

DevOps — **Simplilearn**