

# Sathya A

Entry-Level Software Engineer| Focused on Building Efficient and Scalable Solutions



## EDUCATION

### Bachelor's Degree in Computer Science and Engineering

Kings College of Engineering , Punalkulam,Pudukottai  
**CGPA - 7.80** ( upto 6th Sem )  
2021 – 2025

### HSC

Mother India Higher Secondary School, Koradacherry  
**Percentage - 84 %**  
2020 – 2021

### SSLC

United Matriculation School, Koradacherry  
**Percentage - 82 %**  
2018 – 2019

## PROJECTS

### • Plant Disease Identification System - Using Python and CNN

Constructed a high-accuracy CNN model using Python for identifying plant diseases with 98% accuracy. Integrated convolutional neural networks (CNNs) with real-time image processing capabilities for rapid disease detection.

### • Quiz Web Application- Using Python and Deep Learning

Technologies used: Spring Boot, Microservices, PostgreSQL, Java, RESTful APIs

Developed a web-based quiz application using a microservices architecture with Spring Boot to handle backend services.

Implemented CRUD operations for managing quizzes and questions, ensuring seamless interaction with a PostgreSQL database.

Designed RESTful APIs for quiz-related features such as quiz creation, updating, deleting, and user score tracking.

Ensured application scalability and maintainability by decoupling services and using microservices patterns.

Integrated user authentication and role-based access control for secure access to the platform.

## LANGUAGES

- Tamil
- English

## Contact

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## SKILLS

- Java
- MongoDB
- Power BI
- GitHub and Postman
- SQL and JDBC
- Hibernate
- Spring boot
- Microservice
- Machine Learning

## INTERNSHIPS

### InternPe | Python Developer Intern

- Hands-On Project Experience : Build real-world applications like Tic-Tac-Toe, Snake Game, and Digital Clock, demonstrating your Python skills in game development and GUI programming.

## CERTIFICATIONS

- **AWS Cloud Practitioner Badge** from **AWS Skillbuilder**
- **Data Analytics and Visualization** Simulation from **Accenture** North America - *Forage*
- **Solutions Architecture** Simulation from **AWS** - *Forage*
- **Carrer Edge - Young Professional** from **TCSiON**
- **Introduction to Cloud Computing** from **Infosys | SpringBoard**
- **Introduction to MongoDB, DevOps** from **GUVI**

## SOFT SKILLS

- Time Management
- Collaborative Working
- Problem Solving
- Logical Thinking
- Adaptability