

SREEHARI A H

Mid-Senior Software Engineer | AI/ML | Backend Development | Python | Java | API Integration

Kollam, India | +91 81139 65680 | sreehariah1@gmail.com | linkedin.com/in/sreehari-a-h | sreehariah.github.io

PROFESSIONAL SUMMARY

Software Engineer with over 4 years of experience spanning AI application development, backend engineering, automation, and software quality — currently building scalable fintech systems using Docker, Kubernetes, and modern DevOps practices. Proven ability to own projects end-to-end, from independently delivering an AI-powered text-to-speech system to designing automation frameworks that improved testing efficiency. Strong in Python, Java, SQL, and machine learning, with hands-on exposure to LLM-based workflows, API integration, and cloud platforms. Comfortable working autonomously, collaborating cross-functionally, and adapting across the full development lifecycle from architecture and prototyping through to production deployment.

CORE SKILLS

Python, Java, SQL, C, C++, Machine Learning, Artificial Intelligence, Large Language Models, PyTorch, TensorFlow, Scikit-learn, FastAPI, React, Django, Next.js, LangChain, Haystack, Chroma, FAISS, Text-to-Speech Systems, API Integration, Docker, Kubernetes, DevOps, Test Automation, Regression Testing, Agile Methodologies, CRM Systems, ERP Systems, AWS, Google Cloud

PROFESSIONAL EXPERIENCE

Software Developer, Finnest Technologies, Kochi

06/2025 - Present

- Designing and building scalable fintech applications, owning features end-to-end from architecture through deployment.
- Driving containerization and orchestration of services using Docker and Kubernetes.
- Championing DevOps best practices to streamline software delivery and improve release reliability.
- Leading integration of third-party APIs to extend product functionality and improve interoperability.

Software Engineer, Nintriva Technology Solutions Pvt Ltd, Ernakulam, India

07/2024 - 05/2025

- Owned end-to-end development of an AI-powered text-to-speech project, from design through implementation.
- Built core AI-driven features for a children's story application, including backend systems and supporting infrastructure.
- Diagnosed and resolved complex customer issues by identifying root causes and implementing durable fixes.
- Drove Agile practices across the team to accelerate prototyping, testing, and production rollout.

Software Engineer, Innovature Software Labs Pvt Ltd, Ernakulam, India

07/2023 - 06/2025

- Owned design and execution of comprehensive test plans and test cases, driving down system defects.
- Architected automation frameworks and tooling that improved testing efficiency across releases.
- Automated repetitive operational processes, including data entry and reporting workflows.
- Led regression testing for software releases using custom automation techniques.

Project Trainee, Cyberprism Software Solutions Pvt Ltd, Ernakulam, India

01/2022 - 01/2023

- Collaborated with UI/UX designers to convert visual concepts into functional web applications.
- Reviewed project requirements and proposed practical implementation approaches.
- Designed database schemas for secure storage of user data.
- Improved website performance, scalability, and overall responsiveness.

PROJECTS

SonicLabs

- ML/AI project involving text-to-speech model integration.
- Built with FastAPI and React.
- Focused on integrating generative AI capabilities into an application workflow.

Dust Storm Detection System

- Machine learning project developed using Python.
- Applied SVM with Scikit-learn.

- Processed and analyzed HDF4 data files.

Blood Cancer Detection System

- ML/AI project developed using PyTorch and TensorFlow.
- Worked with HDF5 files.
- Used Next.js and Python Django in the application stack.

EDUCATION

B.Tech in Computer Science and Engineering

Indira Gandhi Institute of Engineering and Technology, Ernakulam

06/2023

Diploma in Computer Engineering

Government Polytechnic College, Punalur

04/2020

Higher Secondary School - Computer Science

KNMHSS and VHSS, Kollam

03/2017

SSLC

KNMHSS and VHSS, Kollam

03/2015

CERTIFICATIONS

- NPTEL - Ethical Hacking, 2022
- WISSENAIR IIT Bhubaneswar - Artificial Intelligence Internship, 2023
- Kerala Blockchain Academy - Certified Blockchain Associate, 2022

ACHIEVEMENTS

- TCS iON NQT-IT - Qualified, 2025
- CodinGame Python Honors - Qualified, 2025
- CodinGame C Honors - Qualified, 2025

LANGUAGES

Malayalam – Native | English – Proficient (C2) | Hindi – Advanced (C1) | Telugu – Advanced (C1) | Tamil – Upper Intermediate (B2)

PROFILES

GitHub: [sreehariah.github.io](https://github.com/sreehariah)

LeetCode: leetcode.com/u/sreehariah1

HackerRank: hackerrank.com/profile/sreehari_ah

CodinGame profile