SRI AAKASH

Developer ~ Engineer

in Sri Aakash

✉ sriaakash@yahoo.com

📍 Chennai, India

○ SriAakash-Github

SUMMARY

Multifaceted Developer and Engineer specializing in Artificial Intelligence and Machine Learning. Experienced in building intelligent systems for real-world applications. Actively exploring advanced AI domains such as Agentic AI, Generative AI, and autonomous systems. Driven by a passion for continuous learning, innovation, and solving complex challenges using cutting-edge technologies.

SKILLS

Languages: Python, SQL, JavaScript, HTML/CSS, Java

Libraries: NumPy, Pandas, Matplotlib, Scikit-learn, Pytorch, ML Algorithms

Technologies: Firebase, Git, Huggingface, PyQt, IoT, Streamlit, Flask, Arduino, Cursor

PROJECTS

Machine Learning — **Smart Crop, Fertilizer and Disease Detection**
Worked on the development of an agricultural decision support system, "Smart Crop, Fertilizer, and Disease Predictor" using IoT sensors, ML, and mobile application using Flutter. The system recommends crops, manages fertilizers, diagnoses plant diseases, and offers a user-friendly mobile app. Continuously seeking ways to enhance agricultural practices and sustainability.

Software (MLops) — **Cybersecurity Threat Detector**
Developed an AI-powered Cybersecurity Threat Detection System using Transformer models (BERT/GPT) to analyze network traffic and system logs for real-time anomaly detection and threat prediction. Built an end-to-end pipeline with Flask APIs and an interactive React dashboard. Currently working on Docker containerization and cloud deployment (AWS planned) to enable scalable, proactive security monitoring with low-latency detection and minimal false positives.

IOT — **Smart Fitness Band (Flex-IT)**
Flexit is an AI-powered smart fitness band designed to track and analyze workout sessions in real time. Built using the Arduino Nano 33BLE Sense, it leverages machine learning (ML) models from Edge Impulse to recognize exercises, count sets, and log user progress in Firebase.

CERTIFICATIONS

· **Coursera:** Machine Learning on AWS

· **Coursera:** Data Structures and Algorithms - Amazon

· **NPTEL:** Machine Learning with Python

· **GeeksForGeeks:** React JS

EXPERIENCE

6/2025 – ongoing — **AI/ML Intern (Onsite)** — Mphasis, DLF IT Sez, Chennai
· Gained Experience on MLops, built airline delay and baggage ML models; deployed full-stack solutions using Flask, Streamlit, and AWS.
· Collaborated with analysts for dataset creation, explored LLMs and RAG, and presented solutions to business teams.
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AWS  /  Hugging Face  /  LLMs, RAG  /  AI/ML  /  Git
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8/2024 – 9/2024 — **Web Development Intern (Online)** — InternPe
· Developed responsive web apps using HTML, CSS, JS, and ReactJS.
· Improved UI performance and implemented interactive features.
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HTML  /  CSS  /  Js  /  Reactjs
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4/2023 – 9/2023 — **Freelance - Technical Content Writer and Manager** — Articulate - Web Dev & Content Writing Agency
· Created technical content on Python and web dev for top sites like GFG and TutorialsPoint.
· Managed writer teams, reviewed content, and ensured timely delivery.
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Team Management  /  Content Management  /  Time Management
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EDUCATION

6/2023 - Present — **B.E in Electronics and Communication** — SRM Institute of Science and Technology
CGPA: 9.34/10.0

5/2020 - 4/2021 — **Higher Secondary (HSC) Computer Science** — Velammal Vidhyashram, Surapet, Chennai
Percentage : 88.6

5/2018 - 4/2019 — **Senior Secondary (SSC)** — Velammal Vidhyashram, Surapet, Chennai
Percentage : 93