

Mithun Savio A

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PROFILE SUMMARY

Computer Science graduate with hands-on experience building ML-powered applications, scalable backend systems, and production-ready web platforms. Skilled in Python, full-stack development, machine learning with TensorFlow, and cloud infrastructure. Driven by a preference for building things that solve real problems over building things that look good on paper.

EXPERIENCE

Python Developer Intern

Mar 2026 – Apr 2026

Codec Technologies, Bangalore, India

- Engineered a video streaming application using Python, Flask, and REST APIs with scalable architecture
- Built an automated FFmpeg transcoding pipeline for adaptive multi-bitrate HLS streaming (360p–1080p)
- Integrated AWS S3 for cloud storage and designed database schema using SQLite for metadata management

Web Developer Intern

Jun 2025 – Jul 2025

Seeli Terra Taste, Chennai, India

- Designed and shipped a responsive brand website that consolidated the company's online presence from scratch
- Optimised site performance and cross-device experience, reducing friction for first-time visitors across mobile and desktop

SKILLS

Languages: Python, JavaScript, SQL (MySQL), HTML, CSS, Lua

Frameworks & Libraries: Flask, Flask-SocketIO, React, Node.js, Express, TensorFlow, scikit-learn

Tools & Platforms: Git, GitHub, Docker, AWS S3, SQLite, Linux, FFmpeg, Vercel, Railway, Postman

Specializations: Machine Learning, Full-Stack Development, Real-time Systems, SEO, Database Design, API Development

PROJECTS

SecureNet AI – Real-Time Network Intrusion Detection System

Technologies: Python, Flask, Flask-SocketIO, TensorFlow, React, SQLite, WebSockets

- Engineered full-stack ML application with CNN-LSTM neural network classifying 6 attack types in real-time
- Designed WebSocket-based real-time event streaming architecture with React dashboard and SMTP alerting
- Achieved 97.41% accuracy processing 78 features across 2.83M records from the CIC-IDS-2017 dataset

KagerFlix – Video Streaming Platform

Technologies: Python, Flask, FFmpeg, HLS, SQLite, AWS S3

- Designed scalable backend for adaptive multi-bitrate streaming with automated FFmpeg transcoding pipeline
- Integrated AWS S3 cloud storage with optimized SQLite schema for metadata management and scalability

InsightSQL – Sales Analytics Dashboard

Technologies: Python, Flask, MySQL, Chart.js, Railway

- Built analytics platform with normalized 4-table schema using multi-table JOINS, indexing and a reusable VIEW
- Implemented per-request SQL query logging with millisecond precision and interactive Chart.js visualizations

INDEPENDENT PROJECTS & CLIENT WORK

Sacred Heart Church – Parish Website

2026

Technologies: HTML, CSS, JavaScript, Vercel, SEO

- Designed and deployed a multi-page parish website for Sacred Heart Church, Hosur at sacredheartchurch.co.in
- Implemented Schema.org structured data, sitemap and meta SEO – achieved Google first-page ranking within 24 hours of launch

EDUCATION

B.E. Computer Science

2023 – 2026

Loyola-ICAM College of Engineering and Technology, Chennai

CGPA: 7.01

Graduated June 2026

Coursework: Data Structures, Algorithms, Computer Networks, DBMS, Network Security, OOP

EXTRACURRICULAR

Media & Sponsorship Head and Driver, Team Turbonites

Aug 2024 – Mar 2026

Lead Coordinator, XPLORE 2025

Aug 2025