

Sidharth M N | Full-Stack Software Engineer

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Professional Summary

I'm a graduate in Computer Science and Engineering with strong interest in Software & Web Development and Full Stack AI-based systems. Skilled in developing scalable web applications and computer vision solutions using YOLO and Python. Foundational knowledge in cloud deployment and backend systems. Focused on building practical, real-world solutions.

Technical Skills

- **Programming:** HTML, CSS, JavaScript, PHP, Python, MySQL.
- **AI & Computer Vision:** YOLO, OpenCV, OCR, Claude, Antigravity, Codex, Google Colab, Kaggle.
- **Design:** Canva, Framer (Basics).
- **Documentation Tools:** Prism, Overleaf.
- **Cloud & DevOps:** AWS (EC2, S3, DynamoDB, API Gateway, AWS Lambda), Linux, Netlify, Bootstrap, MobaXterm, Firebase (Efficient), Supabase, Laravel, Github, Docker.
- **Soft Skills:** Leadership, Teamwork, Communication, Time Management, Critical Thinking.

Education

Bachelor of Technology (B.Tech) in Computer Science Oct 2022 – Apr 2026
Mohandas College of Engineering & Technology, Thiruvananthapuram, India

Projects

SafeDrive Rewards — AI-Based Driver Behavior Monitoring System Jun 2025 – May 2026

- Developed a gamified driver behavior monitoring platform using HTML, CSS, JavaScript, and Python.
- Implemented YOLO-based vehicle and license plate detection with traffic signal violation logging (90% accuracy).
- Built a real-time video analysis pipeline achieving 4–5 FPS for smart-city applications.
- Engineered a Firebase-powered real-time cloud backend to store driving analytics and built an automated reward point system to promote and track responsible driving behavior.

Laravel E-Commerce Platform Apr 2026 – May 2026

- Developed a full-featured e-commerce web application using Laravel 12 following the MVC architecture pattern.
- Implemented product catalog, shopping cart, wishlist, checkout, order management, review system, and role-based authentication.
- Built a comprehensive admin dashboard for managing products, orders, users, categories, coupons, banners, and customer reviews.
- Designed and optimized relational database schemas using MySQL and Eloquent ORM with database migrations.
- Containerized the application using Docker, Docker Compose, Nginx, MySQL, Redis, and phpMyAdmin for reproducible deployment environments.
- Developed responsive user interfaces using Blade Templates, Tailwind CSS, Alpine.js, and Vite.
- Implemented CRUD operations, form validation, session-based cart management, middleware protection, and inventory tracking.
- Integrated review moderation, wishlist management, order status tracking, and stock management functionalities.

Xpenz - Cloud-Based Expense Tracker Application

Jan 2025 – Mar 2025

- Developed a full-stack expense tracking application using React Vite and Electron.js with a responsive dark-themed dashboard.
- Built a serverless backend using Amazon Web Services (AWS) including Lambda, API Gateway, and DynamoDB for expense management.
- Integrated frontend with AWS backend services through RESTful API endpoints for adding, retrieving, and managing expenses and designed cloud-based features with scalable serverless architecture.

VaakMitra - AI-Integrated Malayalam Audio in OTT Platforms

Dec 2024 – Apr 2025

- Developed an AI-powered OTT platform using Flask for automated Malayalam dubbing and subtitle generation from English video content.
- Integrated Speech-to-Text, translation APIs, and Google Text-to-Speech (gTTS) for multilingual audio processing.
- Implemented video and audio processing workflows using FFmpeg and MoviePy for generating dubbed video outputs.
- Containerized the application using Docker to support scalable deployment and streamlined media processing workflows.

Professional Experience

Intern — Cognifyz Technologies (Remote)

Dec 2025 – Jan 2026

- Developed responsive web applications using HTML, CSS, JavaScript, and Bootstrap.
- Delivered technical tasks within strict deadlines to meet organizational performance goals.

Intern — Teachnook (Remote)

Mar 2024 – Apr 2024

- Used AWS EC2 using Amazon Windows environments for deploying my project.
- Managed server configurations and secure file transfers using Netlify.
- Configured AWS Dynamo DB for data storage .

Certifications

- Accenture UK > Developer and Technology Job Simulation, Forage
Credential ID: xqgms8hJjM5Ght3d3.
Skill: Responsive Web Design.

Issued Dec 2025
- Deloitte Australia > Data Analytics Job Simulation, Deloitte
Credential ID: brZtCNFMusxJv9hMu.
Skill: Data Science.

Issued Nov 2025
- Udemy Web Development Bootcamp by Dr. Angela Yu (Ongoing)
Skill: Full Stack Web Development.

Languages

English (Fluent)
Malayalam (Native)
Hindi (Intermediate)
Tamil (Intermediate)