

# SANJAY PHILIP

Full Stack Web Developer | React.js | Node.js | PHP | Python | MLOps

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## PROFESSIONAL SUMMARY

Detail-oriented Integrated MCA student (Final Year, CGPA: 8.69) at Saintgits College of Engineering (KTU) with 3 internships and 6+ projects in full-stack web development, ML/AI deployment, and Python automation. Proficient in 15+ technologies including React.js, Node.js, PHP, Python, and MySQL, with expertise in YOLO-based object detection, NLP, deep learning, and MLOps. Seeking a Software Engineer role through campus placement.

## TECHNICAL SKILLS

**Languages:** C, C++, Java, Python, JavaScript, PHP

**Frontend:** HTML5, CSS3, Bootstrap, React.js, TypeScript

**Backend:** Node.js, Flask, FastAPI, PHP, RESTful API Design

**Database:** MySQL, MongoDB, SQLAlchemy, SQL, Relational Database Design

**ML & AI:** YOLO Object Detection, NLP, Neural Networks, Deep Learning, Computer Vision, OpenCV, OpenAI Whisper

**DevOps & Tools:** Git, GitHub, Docker, GitHub Actions, Vercel, Railway, Render, VS Code

**Core:** Full Stack Development, OOP, SDLC, Agile Methodology, MLOps, Responsive Design

## INTERNSHIP EXPERIENCE

### ML & AI Intern | NextgenPro

May 2026 – Jun 2026

- Implemented YOLO-based object detection achieving 90%+ accuracy across 5+ classes; built NLP chatbot reducing query resolution time by ~30%.
- Optimized inference pipeline reducing latency by ~25%; fine-tuned 3 pre-trained models improving baseline accuracy by ~15%.

### Python Development Intern | Spectrum Soft Tech Solutions

Jun 2025

- Automated 3 data-processing workflows cutting manual effort by ~40%; built reusable OOP modules improving maintainability across 2 projects.

### Software Development Intern | Tisser Technologies

Jun 2024 – Jul 2024

- Built 3+ responsive React.js/Node.js modules achieving ~20% faster page load; integrated 5+ RESTful APIs.
- Reduced code duplication by ~30% via reusable components; resolved 10+ bugs across a 5-week agile cycle.

## PROJECTS

### Smart Attendance System — Full Stack Web Application | [github.com/SanjayPhilip](https://github.com/SanjayPhilip)

Tech Stack: React, Flask, OpenCV, SQLAlchemy, Vercel, Railway

- Facial recognition attendance system with real-time analytics, Flask REST API, and automated cloud deployment on Vercel/Railway.

### MLOps Pipeline — ML Engineering Project | [github.com/SanjayPhilip](https://github.com/SanjayPhilip)

Tech Stack: Python, FastAPI, Docker, GitHub Actions, Render

- End-to-end pipeline to train, containerize, and deploy ML models via FastAPI with automated CI/CD using GitHub Actions.

### AI Video Subtitle Generator — AI-Powered Web Application | [github.com/SanjayPhilip](https://github.com/SanjayPhilip)

Tech Stack: TypeScript, React, OpenAI Whisper, Node.js

- Auto-transcribes video/audio to SRT/TT subtitles using OpenAI Whisper; React/TypeScript UI with Node.js backend.

### React Task Manager — Full Stack Web Application | [github.com/SanjayPhilip](https://github.com/SanjayPhilip)

Tech Stack: React.js, Node.js, MongoDB, REST API, CSS3

- Drag-and-drop kanban board with priority tagging, deadline tracking, REST API backend, and mobile-first responsive design.

### E Blood Connect — Full Stack Academic Project | [github.com/SanjayPhilip](https://github.com/SanjayPhilip)

Tech Stack: PHP, MySQL, HTML5, CSS3, JavaScript

- Blood donation platform with donor-recipient matching, role-based authentication, and normalized 5-table MySQL schema.

## EDUCATION

### Integrated Master of Computer Applications (IMCA) — CGPA: 8.69 / 10.0

Saintgits College of Engineering, Kottayam — KTU | 2022 – 2027 | Final Year, 9th Semester

## CERTIFICATIONS

- NLP • Deep Learning • Computer Vision 101 • Artificial Intelligence • Intro to Data Science • Web Apps in PHP • Bootstrap (IIT Bombay)
- Robotic Process Automation (All Coursera unless noted)