

SANOOP PHILIP

SOFTWARE DEVELOPER

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PROFILE

Python Developer with hands-on experience in backend development using Django and REST APIs. Skilled in building scalable applications, database design, and API integrations. Currently working as a Python Developer and expanding expertise in React to grow into full-stack development. Strong problem-solving mindset with ability to deliver reliable, maintainable solutions.

PROFESSIONAL EXPERIENCE

Python Developer, Turbolab Technologies

Jun 2025 to Present

Kochi

Build and maintain Python spiders for automated data extraction from HTML/XML and structured data sources.

- Designed, developed, and optimized Python spiders and reusable modules to extract data from HTML/XML (using XPath) and structured formats (JSON, CSV, Excel).
- Implemented proxy rotation, request optimization, custom request classes (e.g., HTTP2Request, TLSRequest), and retry/error-handling to ensure reliable, high-volume crawling.
- Developed robust data-cleaning and transformation pipelines with Pandas and regex for column transformations, string extraction, and reshaping; created Jupyter Notebook workflows for exploratory analysis and quick dataset checks.
- Automated file uploads and data synchronization with AWS S3, Azure Blob Storage, and FTP/SFTP servers

Backend Developer (Python), Woodenclouds Technology

Sept 2024 to Jun 2025

Kochi

Contributed to the backend development of 10+ real-world projects, including the Lazza Icecreams Factory Management System and WoodenClouds Academy LMS, spanning domains such as manufacturing, healthcare, edtech, and e-commerce.

- Developed scalable RESTful APIs using Django REST Framework, integrated with React frontends, and deployed on DigitalOcean using Gunicorn and Nginx.
- Automated time-sensitive operations using Celery and Celery Beat, with daily database backups scheduled to AWS S3 for business continuity.
- Integrated Firebase Cloud Messaging and implemented Django Channels to support real-time communication through WebSockets.
- Developed microservices for authentication and task management as part of a distributed application, using Redis for caching and inter-service coordination.
- Integrated payment solutions using Razorpay and Cashfree, including Razorpay Payouts for automated fund transfers.
- Built no-code backend solutions with Strapi (Headless CMS) to accelerate project delivery.
- Engaged in internal R&D by prototyping an AI-driven chatbot powered by LLaMA LLM, demonstrating conversational AI capabilities.

EDUCATION

Marian College Kuttikanam

2022 to 2024

MCA

SCPA 9.05

Mar Augusthinose College Ramapuram

2019 to 2022

BCA

SCPA 8.47

ST Berchmans Higher Secondary School

2017 to 2019

Plus Two

Percentage - 80%

Mary Rani Public School Changanacherry

2017

SSLC

Percentage - 94%

AREAS OF EXPERTISE

• Python
• React

• Django

• Pandas

• Java

ADDITIONAL EXPERIENCE

Full Stack Developer Intern, Tek Salah Business Solutions

Nov 2023 to Jan 2024

Kochi

- Completed the development of a MEVN (MongoDB, Express.js, Vue.js, Node.js) an Employee Management project, showcasing Entry Level to Vue Js.
 - Successful completion of the CRM project for Tek salah, demonstrating expertise in Vue.js for frontend development and Java for backend implementation.
 - Migrated the old CRM from the Adempiere framework to a web app with a modern graphical interface.
 - Implemented new features, including a Kanban board, to enhance user experience and functionality.
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PROJECTS

BrooksMemory - Movie Review Platform (Django REST + React, Dockerized Deployment)

BrooksMemory is a live movie review platform to explore and share reviews. Built with Django REST Framework and React, and deployed on a server using Docker for scalable and efficient hosting.

CraftHub - Personalized E-commerce Platform(MEVN)

CraftHub is a MEVN (MongoDB, Express.js, Vue.js, Node.js) project enabling personalized shopping experiences. Seamlessly customize gifts with unique text or images. Facilitates secure transactions and efficient browsing.

LearnHub: Next.js Online Learning Platform

Spearheaded the development of LearnHub, a robust online learning platform built with Next.js, offering users seamless access to a diverse range of courses and educational resources.

Skin Cancer Detection - Deep Learning with Django Frontend

Developed and implemented a deep learning model leveraging convolutional neural networks (CNNs) to accurately classify skin lesions, contributing to early detection and diagnosis of skin cancer.

Stack Overflow Clone With Chat GPT Integration - Django

Developed a Django-based Stack Overflow replica with integrated ChatGPT, fostering dynamic and intelligent user interactions within the platform.

E-commerce Website - Django

Developed a feature-rich e-commerce platform using Django, incorporating secure user authentication, product catalog management, and seamless checkout functionalities to provide a comprehensive online shopping experience.

CERTIFICATIONS

Build Face Recognition Attendance System in Python

Data Science Using Python- NPTEL Certificate

Data Structure And Algorithms Using Python- NPTEL Certificate

Red Hat (RHEL8) Linux System Administration - RedHat Academy

Python for Data Science - IBM

ACHIVEMENTS

Conducted a seminar on AI and Its Practical Implementation for engineering students at Mar Baselios College, Peermade.
