

SHANAVAS T S

SOFTWARE ENGINEER

portfolio: <https://starlit-monstera-411cc6.netlify.app/>

📞 8848063741
✉️ Shanavasts999@gmail.com
🏠 Thrissur, Kerala, India
🌐 <https://www.linkedin.com/in/shanavas-ts-b7a179194//>

PROFESSIONAL OVERVIEW

Detail-oriented and results-driven Software Developer with experience in backend development, automation, and cloud-based web applications. Skilled in Python, PHP, FastAPI, and AWS services. Proven ability to work on end-to-end solutions involving APIs, dynamic dashboards, role-based access systems, and machine learning experiments. Strong contributor in team environments with a focus on clean, maintainable code and scalable architecture.

WORK EXPERIENCE

Software Engineer

DRD Communications and Software Pvt. Ltd | 2021- 2025

- Developed and maintained scalable backend services using **Python**, **FastAPI**, and **AWS** for cloud automation and data processing.
- Built dynamic web portals in **PHP** and **JavaScript**, supporting service provisioning, billing, and client-side reporting.
- Integrated AWS services (S3, Lambda, SQS) for real-time file handling and cloud workflows.
- Implemented unit test cases using **Tox** to ensure quality and consistency.
- Created flowcharts and documented algorithms for complex business logic

Operation Executive

Infosys | 2020- 2021

- Knowledge in Troubleshooting ERP/. Net/JAVA/ python-based Application.

KEY PROJECTS

- **Rating Engine:** Python app to rate CDR files using carrier-specific templates, optimized with Pandas and integrated with AWS SQS for real-time processing.
- **FTPPuller:** AWS Lambda-based tool fetching CDR files from SFTP to S3 every minute.
- **Call Recording Copy:** Automated file transfer service to move call recordings from AWS S3 to secure SFTP destinations.
- **Cloud Service Portal:** Full-stack PHP application for telecom service provisioning and reporting.
- **Dynamic Website Builder:** Created a dynamic, content-manageable website for service companies.
- **Role-Based Document Manager:** Web app using PHP and AWS S3 with login roles for Admin, Manager, and Engineer to manage documents/images per company with access control and filtering

EDUCATION

Master's degree IN COMPUTE APPLICATION

IGNOU 2023

Bachelor's degree IN COMPUTE APPLICATION

Calicut University 2020

SKILLS

- **Programming Languages:** Python, PHP, JavaScript, SQL, HTML, CSS
- **Frameworks & Libraries:** FastAPI, scikit-learn, Pandas, NumPy, Bootstrap
- **Teamwork**
- **Critical thinking**
- **Time management**
- **Leadership**
- **Web Technologies:** RESTful APIs, Token-based Auth, Dynamic Admin Panels
- **Cloud Services:** AWS S3, AWS Lambda, AWS SQS
- **Concepts:** Role-based Access Control, File Management, Statistical Analysis, Data Processing, Machine Learning

PROFESSIONAL DEVELOPMENT

Built and evaluated machine learning models using scikit-learn, Pandas, NumPy, and Matplotlib.