

# SHIVAJI LAWARE

## Backend Developer

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★ Portfolio

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🔗 HackerRank

🌐 LinkedIn

📍 Pune, India, 411033.

Versatile backend maestro with around 3 years at TCS, excelling in **Python Flask, Java Spring Boot, Database and Angular**. Recognized for crafting **innovative, cost-reductive, time-saving** solutions that led to a **40% increase in system efficiency**. A customer-focused, performance-driven professional delivering impactful solutions. Eager to bring coding finesse and dynamic collaboration to a team that values creativity as the key to success.

## EXPERIENCE

### Backend Developer

#### Tata Consultancy Services Ltd.

##### Python Backend Developer

📅 09/2021 – Present

📍 Pune, India.

- ✓ Successfully **improved system performance by 40%**, implementing strategic enhancements in **Python Flask backend APIs**. This resulted in faster response times and enhanced overall system efficiency.
- ✓ Spearheaded innovative solutions for an **e-commerce** client, **creating a backend system for visualizing parcel terminals and trips**. Utilized Angular to develop a responsive frontend, resulting in a streamlined user experience and increased client satisfaction.
- ✓ Designed and managed a complex API system capable of efficiently processing and **handling data from four different countries**, demonstrating a keen understanding of diverse datasets and ensuring seamless cross-border operations.
- ✓ Innovated a **slot-timing allocation system for truck trailer trips**, optimizing both inbound and outbound logistics. This achievement resulted in a smooth workflow, minimizing waiting times, and enhancing overall operational efficiency.
- ✓ Demonstrated expertise in **code deployment and maintenance**, guaranteeing the reliability and performance of deployed solutions.
- ✓ Implemented **continuous improvement strategies**, leading to the identification and elimination of bottlenecks. This approach resulted in consistent enhancements, contributing to a dynamic and evolving system.
- ✓ **Directly engaged with clients**, proactively understanding their needs, and delivering tailored solutions. This customer-centric approach ensured a high level of satisfaction and repeated **business engagements**.

##### Python Automation Developer

- ✓ Developed and implemented an **automated workflow using Python Flask and Pandas** to replace a previously manual process, resulting in a remarkable **95% increase in productivity**.
- ✓ Designed and implemented a user-friendly dashboard using **Angular**, providing **real-time insights** and enhancing overall visibility into the automated process, contributing to the significant **boost in operational efficiency**.

##### Java Spring Boot Backend Developer

- ✓ **Developed and implemented** complex APIs using **Java Spring Boot**, demonstrating proficiency in designing and building robust backend systems.
- ✓ Collaborated with **cross-functional teams** to understand project requirements and deliver tailored Java Spring Boot solutions. Fostered effective communication between backend and frontend teams to ensure seamless integration and project success.

## PROJECTS

### IoT and AR-Based Compound Pendulum Automation System

- ✓ Developed an advanced system integrating IoT and AR to automate compound pendulum experiments, enhancing precision and efficiency. Designed an Android application for real-time monitoring and utilized augmented reality for improved visualization.
- ✓ **Technologies Used:** AR, Unity, Python, Google Firebase, C#, Digital Twin, Solidworks, Raspberry Pi4 and Sensors.

### TOM Numerical and Graphical Analysis Software

- ✓ Led the development of software to simplify the Theory of Machines, providing graphical and analytical solutions with high accuracy. The software offered a quick and optimal graphical representation of cam and follower mechanisms.
- ✓ **Technologies Used:** Python, Pandas, Tkinter, Matplotlib, NumPy, Jupyter.

### Posture Corrector and Wrong Posture Alert Device

- ✓ Designed and developed a lightweight, wearable device that corrects posture and alerts users of incorrect positions. The IoT-based device transferred data via Bluetooth and featured an Android app for user interaction.
- ✓ **Technologies Used:** Ino Programming, MIT App Inventor, ESP32, Sensors.

## TECHNICAL SKILLS

### Tech Stack:

Back-End | REST API's | Microservices

### Programming Languages:

Python | Java | SQL | JavaScript | HTML | CSS | JSON

### Frameworks:

Flask | Spring Boot | Angular

### DevOps and API Tools:

Git | Docker | Bitbucket | OpenShift | Swagger | Postman | Eclipse | VS Code | PyCharm | Jupyter | SSMS | PostgreSQL/pgAdmin.

## ACHIEVEMENTS

- ▲ **Best performer** of the year **2023 (TCS)**
- ▲ **On The Spot** award for **Truck Utilization Insight's** tool development. (TCS)
- ▲ **Fresco Hackathon winner** at international level. (TCS)

## EDUCATION

**Bachelor of Engineering.** 📅 2021  
Sanjivani College of Engineering (Pune University).

**Diploma in Engineering.** 📅 2018  
(Maharashtra State Board of Technical Education, Mumbai).

## CERTIFICATES

- ▲ DP 100 Microsoft Azure **Data Scientist** Associate
- ▲ DP 900 Microsoft Azure **Data Fundamentals**
- ▲ AZ 900 Microsoft **Azure Fundamentals**
- ▲ AI 900 Microsoft Azure **AI Fundamentals**
- ▲ Python for **Data Science**
- ▲ Python **Data Structure**

## HOBBIES AND INTEREST

Coding | Music | Singing

## LANGUAGES

English | Hindi | Marathi