

# SHARON K VARGHESE

PYTHON FULL-STACK DEVELOPER | DJANGO DEVELOPER | SOFTWARE ENGINEER TRAINEE

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Location: Ernakulam, Kerala

## PROFILE SUMMARY

Results-driven Python Full-Stack Developer with 1.5+ years of hands-on experience building scalable web applications using Django, Angular, React, and REST APIs. Developed 5+ full-stack projects, optimized database performance, and mentored junior developers. Strong understanding of MVC architecture, authentication systems, and responsive UI development. Actively seeking a full-time Python/Django Developer role where I can contribute to scalable backend and full-stack development projects.

## SKILLS

### TECHNICAL SKILLS

- Programming & Frameworks**  
Python, Django, Angular, React.js, Flask, RESTful APIs
- Frontend:**  
HTML5, CSS3, JavaScript, Bootstrap 5, jQuery
- Databases**  
MySQL, MongoDB, SQLite3
- Tools & Platforms**  
Git, Docker, Firebase, AWS S3
- AI & Modern Tools**  
GenAI, GenKit
- Core Concepts:**  
MVC Architecture, Authentication & Authorization, CRUD Operations, Database Optimization, Agile Methodology

## WORK EXPERIENCE

### Quest Innovative Solutions, Kochi

Software Engineer Trainee | Jun 2024 – Dec 2025

- Engineered and delivered 5+ full-stack web applications using Django, Angular, React, and MySQL in an Agile development environment.
- Supported deployment and ongoing maintenance of Django applications in production environments, ensuring performance stability and issue resolution.
- Designed and implemented 20+ responsive UI components, improving mobile usability.
- Integrated RESTful APIs with frontend applications, reducing data load time by 25%.
- Optimized SQL queries and improved backend performance by 20%.
- Mentored 3+ interns in Python and Django, guiding them through live project development and code review practices.
- Managed version control workflows and collaborative development using Git in an Agile team environment.

Python Full-Stack Developer Intern | Mar 2024 – Jun 2024

- Built a Student Management System using Django with authentication, CRUD operations, and performance tracking.
- Reduced manual record management by 60% through digital automation.
- Designed mobile-friendly templates using Bootstrap 5, HTML, CSS, and JavaScript
- Implemented dynamic DOM manipulation using jQuery for enhanced interactivity.
- Designed modular Python applications following object-oriented programming principles.
- Managed and optimized relational database schemas and SQL queries.

#### **Naffco Electro Mechanical Co. (LLC), Abu Dhabi, U.A.E**

##### ***Fire Alarm Technician | 2023 – 2024 (8 Months)***

- Maintained and serviced fire alarm systems across commercial sites.
- Ensured 100% operational reliability of central battery systems.
- Conducted FM200 and foam-based suppression system servicing.

#### **PROJECTS**

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##### **Air Quality Monitoring System**

**Tech:** Django, REST API, MySQL

- Developed a real-time air quality monitoring system handling 1000+ records daily.
- Built REST APIs for sensor data integration and CRUD operations.
- Built dynamic data visualization dashboards to analyze air quality trends and improve data insights.
- Designed optimized database schema for efficient environmental data tracking.

##### **Smart Hiking – AI Powered Application**

**Tech:** Django, AI Integration, Location APIs

- Implemented AI-based route recommendation logic to enhance user navigation experience.
- Integrated location-based services and interactive visualization tools.
- Implemented user data management and dynamic content updates.

##### **HemoFlowPlus – Online Blood Donation System**

**Tech:** Django, MySQL

- Developed secure donor registration and blood request management platform.
- Implemented authentication and real-time donor matching logic.

##### **E-Voting System**

**Tech:** Django, Authentication System

- Built a secure online voting platform with role-based authentication.
- Implemented encrypted result management and controlled admin access.

#### **CERTIFICATIONS**

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- **Python Full-Stack Developer** - Quest Innovative Solutions Pvt. Ltd.
- **Agile Project Management** - HP LIFE
- **SQL and Relational Databases 101** - United Latino Students Association
- **AI-Powered Software and System Design** – DeepLearning.AI
- **Team Software Engineering with AI** – DeepLearning.AI
- **AWS S3 Basics** - United Latino Students Association

## ACADEMIC QUALIFICATIONS

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- **Diploma - Industrial Electrical Engineering**  
Little Flower Engineering Institute, Kalamassery | 2022–2023  
Percentage: 90%
- **Bachelor of Commerce - Finance & Taxation (Pursuing)**  
TANDEM College, Ernakulam – MG University | 2019–2022  
Status: Results / Revaluation Pending
- **Higher Secondary - Commerce with Computer Application**  
Kerala State Board | 2017–2019  
**Score:** 60.83%
- **SSLC - Kerala State Board**  
**Score:** 74%

## LANGUAGES KNOWN

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- Malayalam – (Read, Write, Speak)
- English – (Read, Write, Speak)
- Hindi – (Speak)