

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

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

- **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

- **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

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