Shrikanth Devanathan

 github.com/ShrikanthDeva | in linkedin.com/in/shrikanth-devanathan | shrikanthdeva02@gmail.com | 9789676878

EXPERIENCE

Zoho
May 2024 - Present
Member Technical Staff - R&D Database | C, C++
Chennai, India

- Led seamless migration from PostgreSQL version 14 to 17 across the data cluster
- Identified critical performance bottleneck in postgres dump and restore processes of the upgrade mechanism
- Attained 7x optimization in database dump and 4x in restore, significantly reducing server downtime
- Streamlined server migration with validation checks, logging, and rollback capabilities

Technical Trainee
Feb 2024 - Apr 2024

- Designed and implemented concurrent memory manager that minimizes internal fragmentation
- Optimized overall system performance and memory efficiency in high-concurrency environments by 15%

FarmwiseAI
Dec 2023 - Jan 2024
Software Developer Intern | Node.js, AWS
Chennai, India

- Developed serverless crop damage detector web application using SAM, S3 and Amazon Rekognition
- Incorporated persona-based LLM chat application benefiting stake holders by 80%

Tekion Corp.
Dec 2022 - Jan 2023
In-plant Trainee | HTML, CSS, Javascript
Chennai, India

- Created a robust, scalable & high-performance Train Ticket Booking System
- Elevated the user interface and experience by implementing modern design principles and interactive features

CloudTel Solutions
Aug 2022 - Nov 2022
Software Developer Intern | Python, Django, AWS, Docker
Coimbatore, India

- Designed and built an e-commerce website with stripe payment gateway resulting 40% increase in user engagement
- Increased deployment speed by 30% utilizing docker containers and hosted application on AWS

PROJECTS

Gaurdian
Project ↗
Python, Django, HTML, JavaScript, SQLite, Postgres, Twillio

- Comprehensive remote patient vital sign monitoring, analysis, and alert generation tool for doctors
- Identifies abnormality in vitals using random forest algorithm and alerts caretakers for inputs

Dashboard-App
Project ↗
React, HTML, Tailwind

- Admin dashboard application for centralized management and monitoring of a platform
- Users can manage their website, employees, orders and customers with functional apps and charts

Daaps
Project ↗
Python, Flask, HTML, JavaScript, Tailwind, MongoDB, SQLite

- Person identification system made for public and police to help finding lost quicker using Aadhar details
- Integrated with Face and Fingerprint recognition machine learning model for identification

Postify
Project ↗
Python, FastAPI, Postgres, Heroku, Docker

- Built a social networking site that allows multiple users to share short messages simultaneously
- Implemented github actions to set CI/CD pipeline for continuous building, testing and deployment

CERTIFICATES

- Amazon Web Services Certified Cloud Practitioner (AWS - CCP) ↗
- ACM - ICPC Regionalist, Amritapuri Doublesite Region ↗

ACHIEVEMENTS

Knight at Leetcode	Top 5% with a highest rating of 1862	Leetcode ↗
4 Star at CodeChef	Top 7% with a highest rating of 1859	Codechef ↗
AIR - 207, 265	Leetcode Weekly - 333, 355	
Open Source Contributor	Girl Script Summer Of Code (GSSoC) 23'	

TECHNICAL SKILLS

Languages: Python, C, C++, Java
Web Technologies: HTML, CSS, Django, Flask, Javascript
Database: Mysql, Oracle, Postgres
Miscellaneous: AWS, Git, Docker, Shell

EDUCATION

Coimbatore Institute of Technology, Coimbatore India
Jul 2020 - Apr 2024
Bachelor of Engineering in Computer Science
GPA: 9.18

Kendriya Vidyalaya Coimbatore, Coimbatore India
Jul 2019 - Jun 2020
AISSCE - 12th
PCT: 95.2