Shashank S Aradhya

Bhadravathi,Karnataka-577301| +918095451955 | Open to Relocate
shashanksaradhya@gmail.com | https://www.linkedin.com/in/shashank-s-aradhya-368189223/

PROFILE

Detail-oriented and enthusiastic with hands-on experience in developing robust software solutions for diverse projects. Expertise in designing and maintaining distributed systems, automating deployment pipelines, and monitoring system performance using cutting-edge technologies. Adept at leveraging Python**,** Java**,** Docker**,** Kubernetes**,** and cloud platforms such as AWS and GCP. Passionate about ensuring high system uptime and performance, collaborating with cross-functional teams to troubleshoot complex issues, and driving continuous improvement in system reliability.

SKILLS

- **Cloud Services**: AWS (Amazon Web Services), AWS S3, AWS Lambda, AWS EC2, AWS ELB, GCP (Google Cloud Platform), Google Cloud Storage
- **Automation & CI/CD Tools:** Jenkins**,** Terraform**,** Docker**,** Kubernetes**,** Git
- **Operating Systems:** Linux (Ubuntu, CentOS), Windows
- **Programming Languages:** Python**,** Java
- **Monitoring & Logging:** Grafana**,** Prometheus**,** Datadog
- **Distributed Systems & Databases:** PostgreSQL**,** MySQL
- **Container Technologies:** Docker, Kubernetes
- **Knowledge About**: DSA (Data Structures and Algorithms), Machine Learning, Artificial Intelligence, REST API, ETL.

PROFESSIONAL EXPERIENCE

Software Engineer 03/2024 – Present

Tata Elxsi Ltd. Bangalore

Achievement's / Task

- **Developed High Efficiency FMS(MFD):** Designed and implemented a (FMS) using Python (Flask), JavaScript, significantly enhancing real-time data reporting and diagnostics for critical systems.
- **Incident Management & Troubleshooting**: Optimized system performance by identifying bottlenecks in distributed systems and resolving them through tuning, load balancing, and containerization strategies using Kubernetes and Docker.
- **Collaboration for Reliability Improvements:** Worked closely with engineering, quality assurance, and operations teams to improve system reliability, enhance troubleshooting processes, and drive root cause analysis for recurring incidents.

Project Intern 07/2023 – 02/2024
TM Technologies Shivamogga

Achievement's / Task

- **Microservices Architecture Development**: Created a flexible, scalable system with separate modules for student information, faculty management, course scheduling, and attendance tracking, allowing easy customization.
- **Real-Time Data Processing & Logging**: Exposed RESTful APIs, enabling smooth integration with external systems and mobile applications.

- **Engineered Real-Time Data Processing**: Enabled the generation of instant reports on student performance, attendance, and other key metrics for immediate insights.
- **Optimized Database with PostgreSQL**: Integrated PostgreSQL to ensure high performance, data integrity, and reliability for the management system.

EDUCATION

Bachelor Of Engineering, 01/2020 – 08/2023
Computer Science and Engineering PESITM, Shivamogga

Project: Poultry Farm Plus

- Designed and developed Poultry Farm Plus, an intelligent poultry management system utilizing Python for backend development, Arduino for hardware integration, and machine learning algorithms for predictive analytics and automation.
- Implemented Python-based backend services for data collection, processing, and visualization, facilitating real-time monitoring of poultry farm conditions and enhancing operational efficiency.
- Optimized machine learning models for predictive maintenance and health monitoring of poultry, achieving a 95% accuracy rate in early detection of potential issues.
- Increased poultry growth rates by 20% through the application of machine learning algorithms for health monitoring and feed optimization.
- Achieved a 95% accuracy rate in early detection of potential poultry health issues with machine learning models.

Project: Android Picture Pattern Lock

- Designed and implemented Mobile Application that allows user to unlock their application using personalized pictures.
- Utilized Android studio, Java programming and xml to create user friendly interface.

Case Study/ Idea Implementation: Smart Basket

- Proposed system aimed at revolutionizing the traditional shopping experience through the integration of advanced technologies like RFID, barcode scanning, mobile apps, and data analytics, AI-ML.
- The primary goal of the system is to streamline the in-store shopping process, enhance customer experience, and provide retailers with valuable insights into consumer behavior and preferences.

ADDITIONAL INFORMATION

- Achieved top 4 in IEEE Code Express Hackathon – 2023, Shivamogga
- Hackerrank: 4 star out of 5, Max rating 516.47
- Hackerrank: certified intermediate Python

Link: https://www.hackerrank.com/profile/agastyaaradhya69