MONICA SURESH

 monicasuresh - LinkedIn | +91 8778087340 | monica17suresh@gmail.com | Monica-Suresh - GitHub

Skills

- Programming Language: Java | MongoDB | JavaScript | Oracle | Python | SQL | Kotlin | C++ | C
- Tools & Framework: Git/Github | Spring Boot | Kafka | React JS | Jenkins | Selenium | Azure | Node | CI/CD | Jest | JUnit
- Others: Microservices | Distributed Systems | Agile | Frontend | Backend | Full-Stack
- Language: English, Telugu, Tamil– *All professional proficiency or above*

Work History

Software Engineer   **Wells Fargo**   *Hyderabad,India*   **08/2023 - Current**

- Contributed ideas and suggestions in team meetings that involved **'T' shaped** developers strategies and delivered updates on deadlines, designs, and enhancements.
- Involving Continuous Integration/Deployment (CI/CD) Pipeline Integration, pull requests, code reviews, load/stress testing, unit/integration/e2e testing
- Worked with software development and testing team members to design and develop robust solutions to meet client requirements for functionality, scalability, and performance.

Technology: Spring Boot (Java/Kotlin), REST API, MongoDB, React, Azure, Splunk, AppDynamics, Elastic APM, Apache Kafka, Github

Program Associate   **Wells Fargo**   *Hyderabad,India*   **07/2022 - 07/2023**

- Modernization of enterprise applications from **.Net, SQL** application into **Spring Boot Framework (Java/Kotlin)** with **NoSQL** database and **React application** with latest development standards, reducing operating costs, and improving functionality.
- Moving the solution with microservice architecture Cloud Platform - Microsoft Azure and reducing the workloads by involving automation
- Collaborated on stages of software development life cycle (**agile** methodologies) from requirement gathering to production releases by understanding the **Secure Coding Standards**(SCS) involving SAST and DAST scans.

Technology: Spring Boot (Java/Kotlin), REST API, MongoDB, React, Azure, Splunk, AppDynamics, Apache Kafka, Github

Internship

Student Intern   **Samsung Research & Development**   *Bangalore,India*   **06/2021 - 08/2021**

- Worked under Visual Intelligence - group of Medical & Media solutions developing innovative and efficient algorithm for the real time problem
- Utilized Detectron2 - an Image processing Framework to perform automation of shadow removal photo editing, retouching and restoration.
- Communicated effectively with the team gaining operational knowledge and accepted critiques and suggestions for areas of improvement.
- Completed research, compiled data, and assisted in timely reporting to instructors to receive weekly tasks and responsibilities.
statement.

TechStack: OpenCV ,CNN ,Python, Tensorflow, Pytorch, Detectron2

Intern   **Mood Indigo (Microsoft AEP)**   *Virtual*   **04/2020 - 05/2020**

- Learning Artificial Intelligence and Machine Learning with Hands-on projects in it.

TechStack: Python,Flask, Pandas, Numpy, Scipy, Tensorflow, Keras

Education

Bachelor of Technology   Madras Institute of Technology, Anna University   *Chrompet, Chennai*   **08/2018 - 05/2022**

- Major in Information Technology with **9.62 CGPA**

Higher Secondary School   Sri Sankara Vidyalaya Higher Secondary School   *Urapakkam, TN*   **08/2016 - 05/2018**

- Major in Mathematics and Computer Science with **96%**

Secondary School   NSN Group of School   *Chrompet, Chennai*   **08/2015 - 05/2016**

- Centum in Mathematics & Science with **97.6%** and School Topper in Tamil.

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Projects

- **Vibration based Fault Prognostics of Induction Motors of Rotary Machine Components** Study on vibrations through different sensors of the machinery component and building an effective solution to classify faults and find anomalies present in it.
- **A Novel Image Segmentation Methodology to Enhance Defect Prognosis for Industrial CPS** Incorporating a Novel Image Segmentation for classification and isolation of pitting defect in Ball Screw Shafts
- **Vehicle Tracking System** Implementation of Spring Boot application that has two modules- User and admin and Crud operations with Spring Security.
- **Amazon Sentimental Review System** Collecting textural reviews of Amazon products and other fields like review time, review counts, rating and processing the data with Natural Language Processing and Machine Learning Strategy.
- **Password Generator Application** Android Password Generator application with creative encryption algorithm that generates password with all incorporated symbols.

Certification

- Microsoft Certified: Azure AI Fundamentals (AI-900)- an entry level certification of Artificial Intelligence by Microsoft. **(02/2024)**
- Microsoft Certified: Azure Developer Associate (AZ-204)- an intermediate level certification by Microsoft. **(01/2024)**
- Microsoft Certification - Azure Fundamentals (AZ-900)- an entry level certification by Microsoft. **(08/2022)**
- JUnit 5, Mockito, PowerMock, TDD, BDD & ATTD by instructor Andrii Piatakha and offered through Udemy **(04/2023)**
- AI for Everyone authorized by deeplearning.ai and offered through Coursera by instructor Andrew Ng. **(08/2020)**
- Programming for Everyone (Getting Started with Python) authorized by University of Michigan through Coursera. **(07/2020)**
- Introduction to Data Science powered by IBM Developer Skills Network provided by Cognitive Class. **(01/2020)**

Others

- Participated in Centre for Technology Development and Transfer (CTDT) and submitted research thesis on Fake profile Detection in Social Media Project using RNN. **(2020)**
- Participated in Samhita (National Level Technical Symposium) conducted by Madras University Information Technology Association and organized events in Reverse Coding, MiniBytes, etc. in MUTEX, an intra college technical festival. **(2019)**
- Won 1st Prize in Chess Competition across Inter-school competition and participated in zonal level **(2017)**