ARYA MONIKA SWAIN

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TECHNICAL LEAD

Technical Lead with 8 years of experience designing and developing applications in C and Python for KVM over IP access technology and IoT devices. Throughout my career, I have built distributed architectures, implemented machine learning algorithms, and successfully led projects from inception to delivery. Passionate about data, I have worked on independent ML and AI projects, which have sharpened my skills in analyzing data, identifying patterns, and implementing data-driven optimization strategies. I aim to deepen my expertise in AI to harness its transformative potential for addressing societal challenges.

KEY COMPETENCIES

- Programming & Tools: Python, C, PHP, JavaScript, HTML, CSS, Shell Script, MySQL, Excel, Power BI, GitHub, Jira
- Frameworks & Technologies: RESTful/SOAP APIs, Apache2, OpenLDAP, Docker, Kubernetes
- AI & Data Science: Machine Learning, Deep Learning, XAI, NLP, Statistics, Data Analysis
- NumPy, Pandas, matplotlib, TensorFlow, Keras, OpenCV, spaCy, NLTK

PROFESSIONAL EXPERIENCE

Amantya Technologies, Gurgaon   **Apr 2021 - Present**

Wavenet Solutions Pvt Ltd., Gurgaon (merged with Amantya Tech)   **Feb 2019 - Mar 2021**

Technical Lead

- Led a team of 5 developers in designing and delivering KVM over IP access technology, enabling remote users to access multiple servers simultaneously.
- Managed feature development and handled the end-to-end delivery of release builds to clients.
- Developed and implemented a machine learning model with 92% accuracy to predict system failure causes, reducing risk analysis time by 20% and enabling real-time anomaly detection for predictive maintenance.
- Utilized data analytics and visualization techniques within Linux systems to identify performance trends and optimize system operations.
- Played a key role in firmware development for system and application design, improving operational efficiency and enhancing security measures.
- Processed large datasets systematically, ensuring data accuracy and completeness through cleaning and organization. Conducted in-depth statistical analyses using Python, Excel, and SQL to uncover patterns and generate actionable insights.

Ahoy Systems Pvt Ltd, Gurgaon   Nov 2017 - Jan 2019

Embedded System Associate

- Programmed IoT devices with customized message transmission, versatile control modes, and interactive user feedback functionalities, enhancing IoT and embedded systems capabilities.
- Analyzed data generated by IoT devices to enhance system performance, improve user interactions, and inform strategic decisions based on usage patterns and efficiency metrics.

ESquare Technologies Pvt Ltd, Bhubaneswar   Sep 2014 - Feb 2016

Test Engineer

- Developed comprehensive test plans, cases, and scenarios to ensure the quality and reliability of new and existing products, meeting stringent client expectations. Implemented robust testing processes to optimize product performance and user experience.
- Performed functional, integration, regression, and user acceptance testing, ensuring defect management and alignment with technical requirements.

ICOMM Tele Ltd., Hyderabad   **Aug 2010 - Aug 2012**

Engineer Trainee

- Strategically engineered the structural design and deployment of technical infrastructure for HV substations and LT lines, prioritizing cost efficiency and proficient project management.
- Directed quality assurance initiatives by developing control plans, ensuring compliance with safety standards, and maintaining project oversight to uphold integrity and meet project specifications.

EDUCATION

Post Graduate Diploma, Machine Learning and Artificial Intelligence

International Institute of Information Technology. Bangalore, India. 2022

GPA: 3.48/4

Bachelor of Technology, Electrical and Electronics Engineering

Biju Patnaik University of Technology, Odisha, India. 2010

GPA: 8.23/10

AWARDS & AFFILIATIONS

- "Long Association Award" at Amantya Technologies in recognition of exceptional contributions and longstanding commitment in 2023.
- "Excellence Award" at Amantya Technologies for outstanding work in 2022.
- "Star Performer Award" at Amantya Technologies for exceptional performance in 2021.