Shivswaroop Desai

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EDUCATION

Master of Science in Engineering Management   *Expected Graduation – May 2023*
San Jose State University, San Jose, California, USA
(Courses taken – Lean Six Sigma, Operations Strategy and Planning, Business Analysis, Adv Supply Chain Eng.)
Bachelor of Engineering in Computer Science and Engineering   *Graduated - May 2019*
Shivaji University, Kolhapur, Maharashtra, India   *GPA- 3.77/4.00*

TECHNICAL SKILLS

Project Methodologies/Frameworks – Agile-Scrum Model.
Applications and Tools: OSIsoft PI AF Real Time Data Management Tool, Data Analysis using PI Asset Framework, PI Builder, DataLink and Statistics, Data Visualization using PI Vision, PowerBI, Tableau, MuleSoft Anypoint API Integration Cloud Platform, Service Now Change Management, Microsoft Azure DevOps Project/Sprint Management, Microsoft Visual Studio 2017, Microsoft Office 365.
Web Technologies/ Programming Languages: Python, R, HTML5, CSS3, SQL, PLSQL, PHP, JavaScript, Java, C++, C**.**
Platform and Databases: MySQL, Microsoft SQL Server 2017.

CERTIFICATIONS

Lean Six Sigma Green Belt, ITIL V3 Foundations, Introduction to Business Analysis, Python Programming.

WORK EXPERIENCE

TATA Consultancy Services, Pune, India   *June 2019 – August 2021*
Real Time IoT Data Analyst in Energy and Resources | Upstream Oil and Gas
Client – Royal Dutch Shell

Primary Project:
- **Prevented the wear and tear of expensive Wellsite Equipment's which increased lifetime and eventually saved $1M + for the organization,** by performing **Data Analysis of Real time Data** from Wellsite Sensors.
- Determined the **Threshold Limits for the Sensors,** wrote **Algorithms and Analysis Logic** for the **Evaluation of Sensor Data** and maintained the Health and Integrity of the Wellsite's Equipment's.
- Engineered the **Dependencies of Sensors** and designed combined logic of multiple sensors to increase **optimizations in the resulting output.**
- Deployed **Threshold limits and Analysis Logic** for over **2500+ Wellsite's**.
- Executed **Production Validation and Data Analysis** post deployment to Ensure **Bug Free Delivery**.
- Performed **Service Now Change Management** Process to manage the **Deployment of Sprint Items** along with **Microsoft Azure and DevOps** Agile Practitioner Platform.

Secondary Project: *July 2020 – December 2020*
- Migrated, **Sensors, Real Time Data and Historical Data** from Shared Technology Centre Bangalore (STCB) to PI Interface.
- Determined **period, frequency, offset, security measures, trusts**, etc required for migrated sensors to get established and work properly in **PI Interface** according to the **PI Cookbook Strategies**.
- Built Multiple Instances of **PI Interface OPC DA and HDA** (OLE for Process Control- Data Access and Historical Data Access) for migration from **STCB to PI Interface**.

TATA Power Strategic Engineering Division, Mumbai, India (Internship)   *July 2017 – September 2017*
Software Quality Assurance (SQA) Intern in Combat Management System
Client - Cochin Shipyard Limited, Cochin
- Conducted **Testing** on Various **components, Sensors and Radars** of Combat Management System.
- Adhered **Software Quality Assurance** and Testing the Defense System Using **Dual Multifunction Console** and coming up with Bugs and Errors to Solve them and provide **error free quality product**.

PROJECTS

ECO FARM: An IoT Enabled Hybrid System for Vertical Farming   *June 2018 - April 2019*
- Demonstrated ability to work autonomously and developed a **Vertical Farming System** Leveraging **Hydroponic and Aeroponic system** enabling to perform **farming activities from home**.
- Configured **Humidity, Temperature, Water Level, Light and Float Sensor**, and visualized sensor data on **Thing Speak IoT Platform**.

VIDBOX: An Online Video Streaming Website   *January 2018 - April 2018*
- Developed a **Video Streaming Website** showcasing videos of all **event activities** carried out in college, any college student can upload a video related to college activity by **signing up utilizing college ID** that was verified at backend.

LEADERSHIP EXPERIENCE
- **Treasurer** of Computer Society of India.
- **Campaigning Head** of Association of Computer Science Engineering Students (ACSES)
- **Technical Co-Ordinator** of Googles Developer Student Club (GDSC)