Shivswaroop Desai

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EDUCATION

Master of Science in Engineering Management (Specialization in Business Analysis)　　　　　*Expected Graduation – May 2023*
San Jose State University, San Jose, California, USA
(Courses taken – Business Analysis, Business Research, Operations Strategy and Planning, 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.

Skills: Service Now Change & Problem Management, Analyzing Business Structure and Requirements and its Objective, Problem Solving, Prototyping, Proof of Concepts, Lean Six Sigma Process Improvement, Agile SDLC, DevOps, Strategic Planning

Applications and Tools: Service Now, OSIsoft PI AF Real-Time Data Management Tool, Data Analysis using PI Asset Framework, PI Builder, DataLink and Statistics(Linear Regression), Data Visualization using PI Vision, PowerBI, Tableau, MuleSoft Anypoint API Integration Cloud Platform, Microsoft Azure DevOps Project/Sprint Management, Microsoft Visual Studio 2017, Microsoft Office 365

Web Technologies/ Programming Languages: Python, R, .Net, C#, HTML5, CSS3, Javascript, Angular JS, SQL, MySQL

CERTIFICATIONS

Foundations of Business Analysis, Lean Six Sigma Green Belt, ITIL V3 Foundations, Python Programming

WORK EXPERIENCE

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

Task as Business Analyst:
- **Outcome of Project - Prevented the wear and tear of expensive Wellsite Equipment's which increased lifetime and eventually saved $1M + for the organization,** by performing **Business Data Analysis of Real-time Data** from Wellsite Sensors
- Interacted with **Business Stakeholders and Managers** to Determine the **Business Objective** of the Equipment Health Monitoring Project
- Specified **Business Drivers impacting the performance** based on the **Business Requirements** that it needed to achieve from the project
- Exercised **Proof of Concept (POC)** to determine the **technical feasibility** of Functionality in Separator and Wellhead Equipment
- Performed **Prototyping** and developed a prototype to pinpoint the exact location of wellsite on the same page of PI Vision
- **Solved Problems** that were hindering development of dependencies in HPU and RTU Sensors
- Performed **Service Now Change Management** Process to manage the **Deployment of Sprint Items** along with **Microsoft Azure and DevOps** Agile Practitioner Platform

Task as Data Analyst:
- 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 Wellsite's Equipment by analyzing the sensor data.
- Engineered the **Dependencies of Sensors** and designed combined logic of multiple sensors to increase **optimizations in the resulting output**
- Executed **Production Validation and Data Analysis** post-deployment to Ensure **Bug-Free Delivery**

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 the 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 products**.

PROJECTS

Supply Chain Analysis of Tesla (In Progress)　　　　　*August 2021 - Present*
- Conducted an in-depth analysis of Tesla's supply chain design, distribution network, competitive, supply chain strategies, analyzed strategic fit, challenges due to globalization, and provided recommendations for improvement using linear programming model in MS Excel, decision tree analysis; thereby reducing the cost to 15%.

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.

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 the college ID that was verified at the 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)