ParamathmuniVnsSaiSaran

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Education

Vellore Institute of Technology   May2023
Bachelor of Technology in Electrical and Electronics Engineering (GPA:8.33/10.00)   *Chennai,TamilNadu*

- **Relevant Coursework:** Data Structures and Algorithms (Java), Microcontroller and its Applications (Arduino IDE &C), Internet of Things, Networking Communications, Embedded Systems (Keil), Computer Architecture, Basic ML

Experience

QUESTGLOBAL   Dec 2023 – Present
Control Software Engineer for GE Vernova   *Hyderabad,Telengana.*

Gas Turbine Modelling Design (GPD) on ToolBoxST

- Developed and implemented PLC logic designs of gas turbine for all the GE power plants Across the Globe, optimizing the design as per the Accuracy, Productivity, Features of B2B retail and e-commerce techniques, P&ID, I/O automation.
- Created HMI Screens Application for the designs of the turbine Using **Cimplicity** and **VBA Scripting**. Data in the designs need to be pipelined to interact and process to communicate through Screens, enhancing data accessibility from software.
- Utilized Attributes to track and manage the logic Data points which we are generating atheists, facilitating Warranty retraining and fine-tuning the old design as per latest GE product standards to improve predictive accuracy and Productivity effectiveness according to their **Billing – of – Material** (BOM) through **PLM**.
- Collaborated with cross-functional teams to align analytical outputs with business objectives, presenting findings in a clear and actionable format to stakeholders/Customer for satisfaction at the time of site support/**FAT**

Control Quality Enhancement

- Developed Network diagrams, P&ID for GE Control systems Through **Visio's**
- Worked on the service segments to improve the quality by implementing standardized quality protocols and dealing with real-time feedback loops, achieving a decent percent uplift in standards.
- Utilization of **SAP** for integration of data and management for their **Billing – of – Material** (BOM).
- Creation of Dashboards to enhance the Quality factor of delivery by utilizing excel and BI

PersonalProjects

Smart Helmet for Alcohol Detection |*IOT,Arduino,sensors*
- Automatic Control on a vehicles Engine to achieve accuracy on accident Reduction by BAC
- Created and labeled all the required sensors of HT12D/E IC's, transmitting data to Microcontroller setup in bike through Helmet with Bluetooth module integrated with mobile.

Android Malware Analysis |*BasicML,Python*
- Analysis is made on Various mobile phones to achieve accuracy on OS using ML models for their Vulnerabilities.

Healthcare & Market Analysis | Excel and power BI
  - A Case Study analysis on healthcare system of the US population.
  - A Case Study analysis on Indian market General index on various requirements.

E-Commerce Company & Retail Analysis | SQL
  - A Case Study analysis on company where we have worked for customers insights, sales optimization also will look on various department product analysis to get a straightforward business

TechnicalSkills

Languages: Python, Structured Query Language (SQL), Excel, Power BI, DAX, CLM, PLM

Technologies: AWS Cloud, Basic of Docker & Kubernetes, ToolBox, Agile, Microsoft Adv Excel, Microsoft PowerPoint, Cimplicity, SAP.

Certifications

1. Data Analyst and Visualization Dashboard

 - Performed ETL and data cleaning to Visualize the insights on BI.

Accenture & Deloitte.

2. AWS Certified Cloud practitioner

 - learned and explored cloud technologies and frameworks.

Amazon Web services

3. **GEN AI Exchange Program**

 - On going certification, for prompt engineering and many other cloud technologies

Google

4. **Forward Program**

 - certification, on engineering and many other technologies

McKinsey

AWARDS

"ON THE FLY"

 Received the Best employee Award from company as part of customer appreciation.