PRAYAG GARG

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PROFESSIONAL SUMMARY

Results-oriented Automation & Digitalisation Engineer with experience in implementing smart factory solutions, IoT-enabled systems, and data analytics dashboards. Skilled in Power BI, Excel, and leveraging IoT devices to monitor and optimize manufacturing processes. Experienced in supplier management, cross-functional coordination, and leading new project implementations to enhance operational efficiency and productivity.

TECHNICAL SKILLS

Automation & IoT Tools: IoT Devices, PLCs, SCADA, Sensors, Data Acquisition Systems

Data & Analytics: Power BI, Excel, SQL, Dashboard Development, KPI Tracking

Programming & Scripting: Python, C++, Basic Java, VBA

Project & Operations Management: Supplier Coordination, Project Implementation, Process Optimization

DevOps & Tools: Git, Docker, Reporting Tools

PROFESSIONAL EXPERIENCE

Automation & Digitalisation Engineer | Sona Comstar, Gurgaon-Manesar | Mar 2024 – Present

- Implemented IoT-based monitoring systems for 5+ production lines, improving real-time visibility and reducing downtime by 20%
- Developed Power BI dashboards integrating machine and production data to track KPIs and support decision-making
- Coordinated with suppliers and internal teams to ensure smooth implementation of new automation projects
- Optimized Excel-based reporting, reducing manual efforts by 15+ hours per week
- Supported cross-functional teams during pilot projects for smart factory solutions

KEY PROJECTS & AUTOMATION IMPLEMENTATIONS

- Developed software applications that communicate with PLCs to fetch real-time production data and store it in SQL databases

- Implemented Autonomous Mobile Robots (AMRs) for material transfer, improving efficiency and reducing manual handling
- Integrated Vision Inspection Machines for automated quality checks, enhancing defect detection accuracy
- Deployed Collaborative Robots (Cobots) for assembly line assistance, increasing operational safety and throughput
- Implemented Optical Character Recognition (OCR) systems to automate part number and label verification on production lines

Jr. Automation Engineer | Ascent Business Technology, Gurgaon | Jan 2023 – Mar 2024

- Assisted in implementing IoT-enabled devices for monitoring equipment and production lines
- Created automated Excel dashboards for reporting and KPI visualization
- Participated in supplier coordination and project tracking for new manufacturing initiatives
- Supported integration of data from multiple sources into centralized dashboards

Trainee Engineer | Ducat, Gurgaon | Jun 2022 – Dec 2022

- Learned industrial automation principles and implemented small-scale IoT prototypes
- Worked on monitoring and control systems for lab-scale manufacturing setups
- Assisted in data collection and reporting using Excel and dashboards

EDUCATION

Master of Computer Applications (MCA), Govt. PG College, Gurgaon
Bachelor of Technology (B.Tech) Mechanical, DCRUST, Murthal, Sonepat (CGPA: 8.2/10)

CERTIFICATIONS

Java Full Stack Certification – Ducat
Power BI Data Analysis – Online Training

PORTFOLIO

Visit my portfolio for projects and more details: https://prayaggarg7.github.io/my-portfolio/