SHARATH KUMAR

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👤 PROFESSIONAL OVERVIEW

- **Experience**: Possess 6+ years of experience in production planning, management, scheduling, and requirement planning within a mechanical production environment
- **Data Management Expertise:** Proficient in designing, implementing, and maintaining data management systems in a mechanical production environment, leading to enhanced efficiency.
- **Infrastructure Development:** Successfully designed and developed robust data infrastructure, ensuring seamless integration with existing production systems.
- **Data Security:** Implemented stringent data security measures to safeguard sensitive production data, ensuring compliance with industry regulations.
- **Analytical Insight:** Utilized advanced analytical tools to extract meaningful insights from production data, facilitating informed decision-making.
- **Process Optimization:** Identified opportunities for process optimization through data analysis, resulting in increased efficiency and cost savings.
- **Team Collaboration:** Collaborated effectively with mechanical engineers and production teams to align data requirements with organizational goals.

💻 STRATEGIC STRENGTHS

FUNCTIONAL SKILLS	TECHNICAL SKILLS
Data Management	Advanced Excel
Production Planning	Python
Data Security	Power BI
Automation	Tableau
Process Optimization	SQL\MySQL
Training and Education	PySpark
Data Quality Assurance	GitHub
Project Management	ETL
Compliance/ Trend Analysis	Visual Studio

📈 PROFESSIONAL EXPERIENCE

Data Management Engineer/Data Analyst| The Nahars Engineering India Pvt Ltd | (Nov 2022 - Present)

● **Advanced Data Analysis & Visualization:** Leveraged tools like Excel, Power BI, and Tableau to create dynamic dashboards and reports, providing real-time insights into production metrics and key performance indicators.

● **Database Management & Development:** Administered SQL/MySQL databases, ensuring optimal organization, storage, and retrieval of critical production data. Spearheaded database optimization efforts to enhance data accessibility and system performance.

● **Programming & Automation:** Utilized Python and PySpark for automating data processing tasks, reducing manual efforts, and improving data accuracy. Integrated machine learning and deep learning models to predict production outcomes and enhance decision-making.

● **ETL Processes:** Designed and managed ETL pipelines to streamline data flow across various systems, ensuring the seamless integration and transformation of data for accurate analysis.

● **Data Integrity & Quality Assurance:** Conducted regular audits and data quality checks to identify and rectify discrepancies, maintaining the integrity and reliability of data used across the organization.

● **Project Management:** Led data-centric projects from initiation through completion, ensuring alignment with business objectives, timely delivery, and adherence to project scope and quality standards.

PROJECTS:

● **Automated Data Migration Tool | Python, SQL Server:**
- Developed a Python-based tool to migrate data from an on-prem server to a cloud SQL Server using a schema-loading technique.
- Automated schema extraction, column mapping, and data loading with support for large datasets.
- Implemented deduplication logic using IF NOT EXISTS to avoid repeated entries.
- Packaged the solution as a standalone .exe for non-technical user deployment.
- Reduced manual effort and ensured accurate, efficient data transfers.

Project Title: Employee Management System
Project Overview: The Employee Management System is a comprehensive web application designed to manage employee data, handle leave requests, and generate automated Management Information System (MIS) reports. The project leverages modern technologies to streamline employee management processes, improve data accuracy, and enhance decision-making through automated reports.

Key Features:
1. **Employee Management:**
- User authentication and authorization.
- CRUD operations for employee details.
- Role-based access control.

2. **Leave Management:**
- Leave application and approval workflow.
- Tracking leave balances and history.
- Automated notifications for leave requests and approvals.

3. **Automated MIS Report Generation:**
- Use of machine learning algorithms in Python to analyze and generate MIS reports.
- Scheduled report generation and distribution.
- Customizable report templates and metrics.

4.**Tools and Platforms:**
- **Visual Studio 2022:** Integrated development environment for coding, debugging, and testing.
- **Azure DevOps:** Project management, version control, CI/CD pipelines, and collaboration.
- **MSSQL:** Robust database management system for handling employee data and leave records.

Python: Implementing machine learning models for intelligent report generation.

Transaction Process Officer | Mphasis | (Jun 2018 - Jan 2022)
- Proficiently handled P1 to P4 tickets to resolve customer issues efficiently and effectively using ticketing systems.
- Configured and optimized network settings for modems to ensure seamless connectivity and superior performance.
- Created databases and spreadsheets that improved inventory management and reporting accuracy.
- Collaborated with internal teams and external stakeholders to resolve transaction-related issues or discrepancies.
- Identified areas for process improvement and implemented strategies to enhance transactional efficiency.

EDUCATION

- **Bachelor of Mechanical Engineering** - Sahyadri College of Engineering and Management (Jun 2012 - Jul 2016)