HARIHARA SUDHAN N

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PROFILE SUMMARY

Analytical and results-driven Mechanical Engineering graduate with a strong passion for software engineering and data analytics. Equipped with hands-on experience in Python, SQL, and Power BI, and proven abilities in process optimization, automation, and data analysis through internship projects. Enthusiastic about leveraging analytical skills and software development knowledge to enhance software quality and performance in QA roles. Adept at collaborating with cross-functional teams to drive results and ensure high-quality outcomes.

EDUCATION

Bachelor of Engineering, B.E - Mechanical Engineering   2019 - 2023

Government College of Engineering, Tirunelveli

CGPA - 7.85

Higher Secondary Education, Maths – Biology   2017 – 2019

Kings Matric Higher Secondary School, Valliyur

Grade - 80%

WORK EXPERIENCE

Intern Trainee -Data Analytics

RIOTA Private Limited, Chennai, Tamil Nadu

Python Programming, Data Analytics, Power BI, Excel, SQL

Oct 2023 - Apr 2024

ACADEMIC PROJECT

TITLE: Evaluation of Stress Concentration Factor Using Glass Fiber Reinforced Polymer

- Understand glass fiber-reinforced polymer composites for stress handling.
- Conducted tensile tests and simulations to validate results using ANSYS
- Found composites to be stronger and lighter than metals
- Highlighted potential use in aerospace, automotive, and construction industries.

INTERNSHIP PROJECTS

TITLE: Pandas Data Wizard: Streamlining Data Processing

- Ensured data uniformity and high-quality standards, focusing on data integrity.
- Designed data transformation functionalities with attention to detail, similar to software testing.
- Documented processes to support testing, validation, and handling data processing.
- Enhanced the tool's capability for accurate insights through temporal analysis.
- Skills used: Python, ETL, Data integrity, Automation, Pandas, SQL

TITLE: Transaction Efficiency Analysis and Optimization

- Assessed machine efficiency using transactional data. Focused on precision in data analysis.
- Analyze successful and pending transactions based on their status using Excel Functions.
- Calculated the Time taken to measure processing speed. Analyzed transaction amounts and counts per machine to evaluate performance.
- Created a dashboard for insights and optimization of machine operations and improved efficiency.
- Skills used: Python, Pandas, ETL, Power BI, SQL, and Excel for analysis and visualization.

PERSONAL DETAILS

Date of Birth: 23/07/2001

Gender: Male

Nationality: Indian

Languages known: Tamil (Read, Write, Speak), English (Read, Write, Speak)

Permanent Address: 26 B, Yadhavar South New Street, Vallioor -627117

Tirunelveli district, Tamilnadu

PROFESSIONAL SKILLS

Analytical

Time management, Attention to detail

Communication, Negotiation

Critical thinking, Problem Solving

Decision-making, Teamwork

TECHNICAL SKILLS

Python – Analysis, Automation

Data Analytics, Process optimization

Power BI

SQL Server

Excel, Office 365

CERTIFICATION AND COURSE

Oracle Cloud Infrastructure 2024 Generative AI Professional Certificate - ORACLE

Skills – Python, LLM, Generative AI service, Retrieved Augmented System (RAG)

DECLARATION

I solemnly declare that the above information is accurate to my knowledge and belief.