RITHESH RAJA

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WORK EXPERIENCE

Jr. Data Engineer   Jul 2021 – Apr 2023

Infinite Computer Solutions, Bangalore, India

Technology: ETL, data pipelines, Power Automate, Power BI, data engineering, automation

- ETL Development: Designed, built, and maintained custom data pipelines for ETL (Extraction, Transformation, and Loading) processes using multiple data sources with ETL accuracy up to 73%.
- Data Management: Managed large and complex datasets, including unstructured data, to deliver business solutions and improve data-driven decision-making by 70%.
- Collaboration: Worked closely with cross-functional teams to support the business unit in completing tasks, including project management, day-to-day operations, and data analysis.
- Technical Solving: Identified and resolved issues in data stores, optimizing performance and workflow automation through tools like Power Automate.
- Training & Development: Participated in training programs, workshops, and on-the-job learning, enhancing skills in Power BI, data engineering, and automation.
- Reporting & Documentation: Documented progress, prepared reports, and delivered presentations to business stakeholders, ensuring clear and effective communication.
- Project Management: Took ownership of assigned tasks, adhered to timelines, and contributed to team meetings, displaying professionalism, punctuality, and attention to detail.
- Continuous Improvement: Sought feedback and applied new knowledge, improving data processes and driving operational efficiency by 80%.

Power Platform Developer (Summer Intern - 2024)   Jun 2024 - Jul 2024

Illinois Department of Central Management Services ┃ Springfield, Illinois

Technology: Power Apps, Power Automate, M365, SharePoint, Lists, Dataverse, Power BI, JavaScript, Deployment, Testing, Power Excel.

Enhancement of Model-Driven Power App:

- Worked closely with the development team to understand project requirements and developed an effective user-friendly Security application using Microsoft Power Platform tools and JavaScript language with a working load accuracy of 80%.
- Created, customized, and deployed Power Apps applications to meet specific business needs that were 80%, including developing forms, workflows, and interfaces.
- Designed and implemented automated workflows using Power Automate to streamline repetitive tasks and improve operational efficiency by 92%.

Dashboard Development:

- Utilized Power BI to develop and maintain interactive Dashboard visualization and reports that provide actionable insights and support data-driven decision-making to have a good user experience with 100% data analysis.
- Integrated Power Platform solutions with various data sources and services, ensuring seamless data flow and connectivity across different systems by 75%.

Data Analysis and Reporting:

- Test applications and workflows to identify and resolve issues, ensuring functionality, reliability, and performance standards are met and creating a report of it with 80% accuracy.
- Prepared and maintained comprehensive documentation for applications, workflows, and processes to facilitate future updates and user training by up to 90%.

Collaboration and Communication:
- Assisted end-users with troubleshooting and resolving technical issues related to Power Platform applications and solutions with an issue resolution of 92%.
- Attend team meetings, project reviews, and brainstorming sessions to contribute ideas and provide updates on development progress.

Continuous Improvement:
- Stay current with Power Platform advancements and evolve to new and best practices, applying this knowledge to enhance solution quality and development processes up to 100%.
- Managed tasks effectively to ensure timely delivery of applications and solutions, meeting project milestones and deadlines with an accuracy of 85%.

SKILLS

Languages: Python, Hypertext markup language HTML, Linux, JavaScript, Java

Databases: MySQL, Amazon DynamoDB, Data Management

Tools: PowerApps, Microsoft SharePoint, Power BI, Power Automate, Lists

EDUCATION

Master's in computer science   **Aug 2023 – May 2025**

University of Illinois at Springfield ⏐ Springfield, Illinois

Data visualization, Java, JavaScript, Information Technology, Advanced Database Concepts, Cybersecurity, Digital Forensics, Computer Networks.

PROJECTS

Disease Detection in Pomegranate Using Machine Learning

Technology: Python, Neural Networks, Panda, CONV2D, Matplotlib
- Built a Software Platform Using Python to detect the type of disease in pomegranates and give the type of precautions that need to be taken by cultivators using image processing and neural networks technology with an accuracy of 70%.

Automatic Examination Protractor (Individual Project)

Technology: Java, Machine Learning, Image processing, LLM

- Engineered a comprehensive online examination system with real-time AI invigilation capabilities; achieved a robust reliability score of 98% in detecting dishonest behaviors across over 500 user sessions within the first month of launch