PRUDVIJA GUNDAGANI

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Education

Master of Engineering: Computer and Information Sciences   CGPA: 3.8   Expected in 04/2025
University of Cincinnati- Cincinnati, Ohio
Bachelor of Technology: Electrical and Electronics Engineering   CGPA:9.09   07/2022
Malla Reddy Engineering College For Women- Hyderabad, TS

Relevant Courses:

Data Structures, Operating Systems, Database Management System, Database Theory.

Work History

Student Worker – Culinary Group | University of Cincinnati| 09/2023 – 11/2024
- Contributed to the development and maintenance of the culinary department's website, utilizing HTML, CSS, and JavaScript to enhance user interface and experience.
- Collaborated with cross-functional teams to troubleshoot and optimize website performance, ensuring responsive design and seamless functionality across devices.
- Gained practical experience with Git for version control, actively participating in code reviews and adhering to industry best practices for front-end development.

Programmer Analyst Trainee |Cognizant Technology Solutions – Hyderabad, TS | 07/2022 – 07/2023
- Used **Oracle Data Integrator (ODI)** and **SQL Developer** for ETL workflows and data integration on **OEM platforms**.
- Monitored and optimized load plans, resolving issues with **PL/SQL scripts** to ensure seamless data flow.
- Improved performance by 20% through workflow optimizations and error diagnostics.
- Collaborated with teams in an **Agile environment**, tracking tasks using **JIRA**.

Intern | Cognizant Technology Solutions – Hyderabad, TS | 07/2021 – 06/2022
- Used **Informatica BDM** and **PowerCenter** to integrate, transform, and manage large datasets.
- Optimized ETL pipelines with partitioning and aggregation for high performance.
- Enhanced data quality with **Informatica IDQ**, reducing workflow errors by 25%.
- Implemented scalable workflows with **HDFS** and **Hive** for accurate data processing.
- Healthcare Data Integration & Analytics – Informatica PowerCenter, BDM, IDQ, SQL, AWS, Tableau Designed and developed ETL pipelines to integrate EHR, insurance claims, and real-time patient data into a healthcare data warehouse. Implemented data cleansing, standardization, and masking using IDQ to ensure HIPAA compliance. Optimized ETL performance, reducing processing time by 40%, and enabled real-time patient monitoring through Kafka-based ingestion.

Projects

- **Bidirectional T-Type Multilevel Inverter for EVs:** Designed a five-level inverter with a modified DC-DC multilevel converter using Matlab.
- **EV Charging Station with PV and Battery:** Proposed a multiport converter design to manage charging and discharging based on PV generation.
- **Hand Gestures Recognition**: Developed an AI-based system to convert sign language into text with high accuracy.

Skills

- **Front-End:** React.js, TypeScript, JavaScript, HTML5, CSS, OOJS
- **Testing:** Jest (unit testing)
- **Web Services:** RESTful APIs integration
- **Big Data & Cloud:** Informatica BDM, PowerCenter, Apache Hadoop, AWS
- **ETL & Data:** ODI, PL/SQL, SQL, MySQL
- **Agile:** Sprint planning, iterative development
- **Collaboration:** UX execution, cross-team communication
- **Web Standards:** Semantic HTML5, accessibility compliance
- **Tools & Technologies:** Microsoft, Putty, GitHub.