PRUDVIJA GUNDAGANI

Cincinnati, Ohio 45220 | +1 513-399-2114 | [prudvija1246@gmail.com](mailto:prudvija1246@gmail.com) | www.linkedin.com/in/prudvija-gundagani

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.