**Greeshma Lakkireddy**

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Data Engineer I

Professional Summary

Dynamic Data Engineer with industry experience in developing and optimizing data architecture and pipelines. Skilled in implementing scalable databases and ensuring data quality standards while maintaining a strong focus on data security and compliance. Adept at utilizing HTML, MySQL, Java, Python, CSS, and JavaScript to create interactive and user-friendly web applications, leveraging academic projects to demonstrate a solid foundation in full-stack web development.

Education

* **Master of Science:** Big Data Analytics - University of Central Missouri - Warrensburg,

MO **08/2022 to Current**

* **Bachelor of Technology:** Computer Science and Engineering -TKR College of Engineering & Technology - Telangana, India **08/2017-07/2021**

Experience

Role: Data Engineer

**Cloudninetek LLC 08/2023-Current**

* Developed and maintained scalable data pipelines, employing Python and SQL, for efficient extraction, transformation, and loading of large volumes of structured and unstructured data.
* Collaborated with cross-functional teams to conceptualize and deploy data models, guaranteeing the integrity and accuracy of data for business reporting and analytics.
* Optimized and fine-tuned data processing systems to boost performance, achieving a remarkable 30% reduction in data latency and an overall increase in efficiency.
* Implemented robust data governance policies and procedures, ensuring adherence to industry regulations and best practices in data security and privacy.

Role: Data Engineer

**MAQ Software, Hyderabad 02/2021 – 06/2022**

* Accomplished data engineer proficient in designing and implementing robust data pipelines, optimizing data architecture, and ensuring high data quality standards.
* Skilled in building and maintaining scalable databases, employing advanced data modeling techniques to facilitate efficient data analysis and reporting.
* Demonstrated expertise in developing and integrating complex data systems, utilizing ETL processes to streamline data flows and enhance organizational decision-making.
* Proven track record of collaborating with cross-functional teams to understand data requirements and deliver innovative solutions that align with business objectives.
* Experienced in implementing data security measures and ensuring compliance with industry standards, safeguarding sensitive information, and maintaining data integrity.

Role: Web content writer intern on HTML

**Simple Notes Online 05/2020 – 06/2020**

* Produce web content for freelance web marketing company; create personalized web content for company websites.
* Duties included the creation, management, and upkeep of the web site for the e-learning Platform. Used WordPress program HTML, and CSS skills to develop a fully functioning web site to be used.

Skills

- Programming: Python, SQL, HTML, Java, CSS

- Data Engineering: ETL processes, database design, data pipelines

- Tools: MySQL, Eclipse IDE, Maven, Power BI

- Data Warehousing: Data warehouse design, Amazon Redshift, Google BigQuery, Snowflake

- Cloud Services: AWS, Azure, Google Cloud Platform (GCP)

- Version Control: Git, Github

- Scripting and Automation: Bash, Apache Airflow

- Data Quality and Governance: Data quality assurance, data governance best practices

- Troubleshooting and Problem Solving: Data issue debugging, problem-solving in data engineering

- Collaboration and Communication: Teamwork, cross-functional collaboration

Academic Projects

**Software Developer 05/2023-08/2023**

* Involved in the development of the presentation layer and GUI framework in JSP, HTML, and client-side validations were done using JavaScript.
* Involved in developing the application using the Java/J2EE platform and Implemented the Model View Control (MVC) structure.
* Responsible to enhance the Portal UI using HTML5, JavaScript, JSP, CSS3 as per the requirements.
* Designed tables in MySQL database and worked with Database Developers to implement Stored Procedures in the application.
* Debugging and troubleshooting any technical issues while implementing the applications.

**Java Programmer 01/2023-04/2023**

* Developed business logic using Core Java, J2EE, and XML over http.
* Responsible for gathering and analyzing requirements and converting them into technical specifications and have been part of the development and deployment of the project.
* Used JSF framework on the server side for the MVC architecture.
* Developed html views with HTML 5, CSS 3, and Java Script and worked on the website to give it a new look.
* The entire project is built with the Eclipse IDE by integrating it with the Apache Maven to resolve the dependencies within the application.
* Developed the application to record patient visits on the website. - Developed the presentation layer with client-side MVC model and on the middleware, we used Spring MVC for the integration with backend data sources.
* Used Maven for dependencies and configuration management.

**Title: Detecting clouds and predicting their movement from INSAT imagery 01/2021- 05/2021**

* Built an ML model to automate the process of finding the root cause over failed events on store self-checkout machines.
* Designed and developed an automation process, that helps enterprises to maintain common configurations and detect configuration drifts across the enterprise virtual infrastructure.
* Using HTML and CSS, built a UI application which serves as a single stop.