Ishan Ambike

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Skills

Languages: C++, Java, J2EE, Python, R, OOP, HTML, XML, JavaScript, Shell, RDBMS, SQL, MS SQL, NoSQL, MongoDB
Technologies/Frameworks: Machine Learning, Data Science, Business Intelligence, Data Pipelineing, Data Visualization, Data Analytics, CI/CD, ETL/ELT, Big Data, Agile, Data Integration, Data Warehousing, Data Modeling, Data Mining, Reporting
Tools/Platforms: UNIX/Linux, Tableau, Looker, Power BI, BigQuery, PySpark, GCP, Azure, Synapse, Databricks, Kafka

Experience

Programmer(Freelance)	**Outlier**	*Rochester, NY, USA*	**03/2024 - Present**

- Collaborated with organizations to improve generative AI models' ability to write better code.
- Applied coding expertise in Python, Java, R, JavaScript, HTML, SQL, Shell, C, and C++ to solve various coding problems efficiently and functionally.
- Assessed responses generated by AI models for accuracy, security, verbosity, and clarity, leveraging technical expertise.

Generative AI Engineer(Contract)	**Abecedarian LLC**	*Boston, MA, USA*	**08/2023 - 11/2023**

- Contributed to a generative AI project focused on creating graphic novels, leveraging various Python libraries to generate multiple images and stories with consistent design and formatting.
- Achieved a 30% improvement in narrative coherence through iterative refinement of image selection algorithms, enhancing the quality and consistency of generated content.

Data Engineer Co-op	**Wayfair**	*Boston, MA, USA*	**07/2022 - 12/2022**

- Conceptualized and implemented a data pipeline using Python, SQL, and Azure Synapse for the automation of streaming event-based semi-structured data. This solution eliminated the need for manual query writing upon the launch of a new store, resulting in an 85% reduction in developer effort.
- Implemented SQL tuning techniques to optimize query performance and enhance the efficiency of data processing by 15%. This involved analyzing query execution plans, indexing strategies, and data distribution methods.
- Developed a data pipeline to capture and analyze store sales impact due to events, contributing to a 20% improvement in inventory planning and merchandise sales.
- Engineered a Data Validation Automation script to automate QA processes between two sources. This solution ensured high accuracy, low latency, high scalability, and a 90% reusability rate for similar applications, effectively eliminating the need for manual testing.
- Performed ETL on unstructured data from Web APIs for downstream analysis by 20+ cross-functional stakeholders.
- Built interactive dashboards using Power BI for stakeholders to visualize sales, inventory, and returns.

Data Engineer	**Envestnet Yodlee**	*Bengaluru, KA, India*	**07/2018 - 07/2021**

- Developed an ETL process utilizing Python, Oracle DB, Selenium WebDriver, RESTful APIs, MS Azure, and customized Yodlee APIs to efficiently aggregate users' financial data.
- Utilized PySpark and Spark SQL within Azure Databricks for ETL processes, facilitating efficient processing and analysis of large-scale financial datasets.
- Implemented robust data quality checks and validation mechanisms, leading to a 20% reduction in data quality issues.
- Configured Integration Runtime in Azure Data Factory to securely transfer data between on-premises and cloud environments, ensuring data integrity and reliability.
- Orchestrated end-to-end data solution lifecycles, including development, testing, deployment, and monitoring, using CI/CD within Azure Synapse.
- Contributed to platform triaging, aiding fellow developers in resolving complex coding issues across various teams.
- Handled major escalations from priority clients, ensuring fast resolution (<1 day).
- Designed a parser using Python for image PDF statements with 75% reduced latency and improved efficiency.

Education

Master of Science	**Rochester Institute of Technology**	*Rochester, NY, USA*	**08/2021 - 05/2023**

Major in Business Analytics | GPA: **4.00**

Bachelor of Engineering	**Savitribai Phule Pune University**	*Pune, MH, India*	**08/2014 - 05/2018**

Major in Computer Science

Projects (https://github.com/ishanambike)

Healthcare ETL pipeline | *Object-Oriented Programming, Docker, PostgreSQL, Statistics, Quantitative Analytics, Pandas, NumPy*
Built an ETL pipeline to extract healthcare data, perform data cleaning and feature extraction, perform data analysis, and load the transformed data in a PostgreSQL database.