Anand Kumar Yannamaneni

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Objective

Innovative and detail-oriented System Design Developer with over 2 and half years of hands-on experience in Azure DevOps and ETL processing. Passionate about problem-solving and continuously learning new technologies to enhance system efficiency and performance. Seeking to leverage my expertise in cloud solutions and data integration to contribute to a dynamic team and drive impacting projects in a challenging environment.

Education

University of Bridgeport, Master's in Computer Science April 2025

- GPA : 3.8
- **Relevant Coursework:** Algorithms, NLP and LLMs, OOPs through Design Patterns, Python

Technologies

Programming Languages: Java, Python, PyTorch, SQL, JavaScript, MongoDB, ReactJs.

Cloud: Azure (App Services, Web Apps, Azure DevOps, Docker, Kubernetes, Azure Container Instances, Storage Accounts, ADF)

Frameworks: .NET, Spring Boot,express, Node JS, and React JS.

Technologies: .NET, SSMS, git, eclipse, PowerBI, PostMan, MongoDB Atlas, vs code.

Experience

Teaching Assistant: University Of Bridgeport – Bridgeport, CT Sep 2024 – present

- Assisted 70% of students in mastering key concepts of Natural Language Processing (NLP) and Large Language Models (LLMs), providing in-depth explanations on deep learning, transformer models, and practical applications to enhance student comprehension and performance.
- I actively contribute to research in NLP and LLMs while staying up-to-date with the latest industry advancements.

ETL Engineer(Azure Services): Accenture – Hyderabad, India Oct 2021 – Dec 2023

- Provided dynamic service by identifying and resolving issues in over 90% of critical business systems' components, improving system efficiency and reducing downtime by 25%, collaborated with cross-functional teams to ensure seamless functionality and enhance overall system performance.
- Conducted detailed requirement analysis to transform complex business needs into technical solutions, leveraging scripting languages like SQL, Python, Spark, and Spark SQL. Successfully delivered over 15 data-driven projects, optimizing processes and improving data processing efficiency by 30%
- Optimized Spark and Spark SQL queries, reducing query time by 70%, leading to faster big data retrieval and more efficient query execution.
- Built and optimized ETL pipelines using Azure Data Factory (ADF) for batch processing, extracting data from multiple sources, leveraging Spark applications for computation, transforming the data, and loading it into the Enterprise Data Warehouse. Streamlined data workflows, reducing processing time by 40% and enhancing data accuracy and accessibility for business intelligence
- Experienced in implementing Azure services such as Azure Active Directory (AD), Azure Storage, Azure Cloud Services, IIS, Azure Resource Manager (ARM), Azure Blob Storage, Azure VMs, and SQL Databases.
- Hands-on experience with Hadoop YARN, Power BI apps, Power Automation, Master Data Services, QlikView, and Angular.

Certifications

Completed Azure Administrator Associate.AZ-104

Completed Azure Fundamentals By Microsoft.AZ-900

Projects

LoRA Home Automation

- Developed an electronic Home automation tool which can be operated by long distance range using LoRa module and Arduino components.
- I provided a high-level overview of the project and mentored my peers to enhance their understanding and knowledge of it.
- I led a team of 4,I developed code for application and successfully guided the team to complete the project.

Movie Review App

- Developed a dynamic Movie Review app using React.js (frontend), Spring Boot (backend), and MongoDB Atlas for data storage. Deployed the frontend via Azure Static Web Apps and backend through Azure App Services, leveraging Docker for containerization and Azure Container Registry for image management.
- Utilized Azure App Services with an App Service Plan to deploy the backend, ensuring automatic scaling based on traffic. Integrated MongoDB Atlas for secure cloud-based data storage and configured environment variables for safe database access.