Anand Kumar

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Professional Summary

Azure DevOps and ETL expert with 2.5 years of experience optimizing cloud-based data solutions. Proven ability to streamline workflows, reducing processing time by 40% while enhancing data accuracy and accessibility for business intelligence. Adept at Azure services, DevOps automation, and data engineering. .

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

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

Experience

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

- Empowered 70% of students to master NLP and LLM concepts through in-depth explanations of deep learning, transformer models, and practical applications.
- Conduct research in NLP and LLMs, staying abreast of industry advancements.

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

- Identified and resolved over 90% of critical business systems' issues, resulting in a 25% reduction in downtime and improved system efficiency.
- Delivered over 15 data-driven projects, optimizing processes by 30% and improving data processing efficiency through detailed requirement analysis and the use of SQL, Python, Spark, and Spark SQL.
- Optimized Spark and Spark SQL queries by 70%, significantly reducing query time and improving big data retrieval efficiency
- Built and optimized ETL pipelines using Azure Data Factory (ADF), reducing data processing time by 40%. Extracted data from multiple sources, transformed it using Spark applications, and loaded it into the Enterprise Data Warehouse, improving 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.

Projects

LoRa Home Automation System

- 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.

Certifications

Completed Azure Administrator Associate.AZ-104

Completed Azure Fundamentals By Microsoft.AZ-900