Anurag Pramod Deotale

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EDUCATION

Master of Science, Computer Science   Aug 2023 - May 2025
San Jose state University, CA, USA
Relevant Coursework: Design and Analysis of Algorithm, Server Side Programming, Graduate Writing, Computer Communication Systems.

Bachelor of Technology, Computer Engineering   Aug 2016 - May 2020
Vishwakarma Institute of Technology, Pune, India
Relevant Coursework: Data Structures, Computer Architecture, Design and Analysis of Algorithms, Object Oriented Programming, Artificial Intelligence, Database Management Systems, Operating System.

TECHNICAL SKILLS

Languages: Java, Python, C, C++, SQL, Shell Scripting, HTML, CSS, JavaScript, php
Frameworks: Spring Boot, JPA, JDBC, JUnit, RESTful APIs, AJAX, Microservices, Flask, FastAPI
Tools: Docker, Kubernetes, Linux, Git, Azure Blob, Azure Web App, Azure functions, Airflow, Jira
Database: Cassandra, Postgres, Oracle, MySQL
Certification: Microsoft Certified Azure Fundamentals

WORK EXPERIENCE

Software Engineer, *UBS*   Aug 2020 - Jun 2023

- Reengineered data engineering solution for scalability, fault tolerance, and cost efficiency using **Azure** Cloud. Containerized application with bash scripts, Docker, **Kubernetes**, and Helm charts, improving performance by 60%.
- Engineered a microservice based **Python** FAST API web application on **Azure** cloud using **Docker** and **Kubernetes**, leveraging web app services and blob storage, to automate fund performance comparison analysis, slashing computation time by 50%.
- Eliminated operation cost by 30% through the development of ETL pipeline and Jobs management application facilitating job fail alerts, run history and statistics using **Python** Flask microservices API and **SQL** Postgres database.
- Implemented a CI/CD pipeline to deploy data engineering solution to **Azure** Cloud using Gitlab and bash script that reduced the time and effort involved by 45%.
- Increased user base by 25% by extending a data engineering application using **Python** NumPy and Pandas libraries for computing essential exclusion flags, aiding portfolio managers to make better investment decisions and mitigate market risk.
- Developed governance-strengthening REST APIs with Java Spring Boot and No-SQLCassandra, designing them to store run statistics, intermediate metrics, and implement email alerts, improving governance over model runs and analytics by 35%.
- Facilitated data workflows integrating Airflow and JupyterHub, enabling 40% faster workflow creation. Standardized DAG development with custom Python library, boosting efficiency by 20%.

Software Engineering Intern, *UBS*   Feb 2020 - Jun 2020

- Extended Java-based ETL framework to extract data from diverse sources, including Cassandra, Postgres, APIs, and distributed file system boosting data quality for analytics by 60%.
- Developed comprehensive unit test cases for Apache Spark based application using Mockito and JUnit in Java, increasing overall test coverage by 60% and boosting software reliability.
- Collaborated in an Agile environment to improve the application's documentation, leading to a 60% reduction in onboarding time for new developers.

PROJECT EXPERIENCE

Prediction of Sales using R   Jan 2019 - Mar 2019

- Developed sales prediction model in R to analyze and forecast sales for a fictional retail store, employing advanced techniques like random feature engineering to prepare data. Achieved high accuracy of 97.4% in predictions.

Automating HR Recruitment Process   Oct 2018 - Dec 2018

- Created automated resume screening app in Java, reducing manual screening by 90%. Leveraged TF-IDF to parse resumes and rank candidates based on weighted averages of test scores, education, experience and skills. Recommended top 20% for interviews, optimizing hiring pipeline.