NIKHIL MHATRE
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SUMMARY

Software developer with hands-on experience in object-oriented programming and cloud-native applications, currently pursuing an MS in Computer Science at UT Arlington with a 4.0 GPA where I am specializing in cloud computing and Big Data. Seeking to leverage my skills and enthusiasm and looking forward to contributing to impactful projects and growing as a software engineer.

CERTIFICATIONS

- SnowPro Core Certification - Snowflake
- DevOps Professional Certificate - PagerDuty and LinkedIn
- Introduction to Programming Using JavaScript - Microsoft
- AWS Certified Developer – Associate (DVA-C02) - Amazon Web Services (Expected June 2024)

EDUCATION

University of Texas at Arlington, TX, USA   **August 2023 - Present**
Master of Science in Computer Science
GPA: 4.0/4.0
Relevant Courses: Cloud Computing, Design and Analysis of Algorithms, Data Analysis and Modeling Techniques, Software Engineering II: Management, Maintenance, & QA, Data Mining, Cloud Computing & Big Data

Mumbai University | Navi Mumbai, India   **August 2017 - July 2021**
Bachelor of Engineering in Computer Science & Engineering
GPA:3.55

SKILLS

- **Languages:**   C++, Python, C, Java, HTML, CSS, JavaScript, TypeScript, SQL
- **Frameworks:**   Angular, Vue, Node.js, Pandas, NumPy, OpenCV, Spark, Hadoop, PySpark, HiveQL, SparkSQL, Kafka
- **Tools:**   GitHub, Postman, Jenkins, CI/CD, AWS, GCP, Docker, Kubernetes, Snowflake, Informatica PC, IICS, bash
- **Databases:**   SQL Server, Cosmos DB, MariaDB, MongoDB, AWS Aurora
- **Misc.:**   Excel, Power BI, ServiceNow, TensorFlow, Rest APIs, Machine Learning
- **Soft Skills:**   Collaboration, Leadership, Multi-tasking, Accountability

PROFESSIONAL EXPERIENCE

Data Engineer - LTI Mindtree   **June 2021 – April 2023**
- Implemented advanced data cleansing to identify and eliminate 95% of duplicate records and inconsistencies, resulting in improvement in database accuracy and decrease in processing time.
- Automated repetitive manual tasks along with report generation which eventually led to saving 0.5 days of manual daily effort for 1 FTE.
- Engineered end-to-end data pipelines utilizing Snowflake, Spark, Kafka, Python, and SQL to extract, transform, and load data from diverse sources; achieved a 20% reduction in data processing time and increased data accuracy.
- Analyze complex employee HR data for one of the top media conglomerates and identify data inconsistencies, trends, and root causes of the anomalies to provide useful insights and implement solutions to fix them.

Software Developer Intern - Ramrao Adik Institute of Technology   **June 2019 – July 2020**
- Collaborated with cross-functional teams and led a team of 5 in collecting requirements and developing 2 projects with back-end using Java, Spring Boot, and SQL, and frontend development using JavaScript, React, Node.JS, HTML 5, and CSS to develop scalable and efficient solutions to support application features.
- Leveraged Git, Docker, and Jenkins to implement CI/CD pipelines, reducing manual intervention, saving daily efforts, and improving collaboration.

PROJECTS

No-Code Data Pipeline Creator (Cloud-native Web Application)   **2023**
AWS, JavaScript, Node.js, HTML, CSS, Django, Docker, PySpark, Jenkins, testing, GitHub actions,
- Engineered a cloud-native application that allows non-technical users to create data transformation pipelines via a user-friendly UI without coding, using GCP's Dataproc and Dataflow.
- Built a secure front end that allows users to securely upload datasets to cloud storage using OAuth2.0 and multipart upload.
- Used DevOps best practices and created a CI/CD pipeline with automated testing to improve the development process efficiency.

Scalable Image Classifier on AWS   **2021**
Torch, React, HTML, CSS, JavaScript, Pandas, NumPy, AWS, and NLTK libraries
- Developed a scalable image classifier capable of handling multiple concurrent user requests with <1-second latency, featuring a front-end portal allowing users to retrain the model with custom datasets.
- Architected loosely coupled components using a Messaging Queue for communication between the Application tier and Frontend tier, utilizing AWS services such as EC2, S3, SQS, and VPC.

Text Summarizer   **2020**
Flask, TensorFlow, Collab, Python, HTML, CSS, JavaScript, CI/CD, Flask, React
- Created an automatic text summarizer using Google's Pegasus and APES, improving the generation of context-based summaries and a front-end interface for easy user interaction with the summarizer model and testing.

EXTRACURRICULAR

- Have been an Active member of CSI's (Computer Society of India) technical team and have successfully organized multiple coding competitions during college competitions.
- Conducted 2 web development workshops on web application development using XAMP(Apache Server, María DB, PHP), HTML, JavaScript, CSS, Bootstrap