PRAMOD PADMAKAR NAGARE

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EDUCATION

Northeastern University, Boston, MA. | MS in Information Systems | Graduation: Dec 2019 | GPA: 3.53/4.0

Major Courses: Artificial Intelligence, Advanced Data Science, Business Intelligence & Data warehousing, Engineering of Big Data Systems, Cloud Computing and Containerizations, and Application Engineering & Development

WORK EXPERIENCE

Software Engineer Lead | AI Data Engineer | Capgemini America, Inc. **Feb 2020 – Present**

➢ **Client: Viacom CBS, New York**

- Developed scalable Airflow ETL data pipelines on GCP cloud composer for data science downstream applications
- Implemented **SQL Optimization and GCP Big query best practices** for BI downstream systems
- **Developed Kubernetes application** for data processing and Airflow load optimization
- Optimized data pipelines with efficient airflow operators for improved logging and performance throughput
- Migrated on-premise Airflow workload to integrate it with GCP Cloud composer

➢ **Client: CVS Health, Rhode Island**

- Designed and developed **Microsoft Azure cloud-based Solution Architecture** for Script Profitability project
- Developed an efficient and **terabyte scaled DataBricks PySpark pipeline** for network matching engine
- **Led a team of 3-4 Data Engineers** with efficient project deliverables using **agile development**
- Implemented end to end CICD and unit testing framework for PySpark development
- Built a **utility to read ORC data** that can be used across the platform
- Optimized the DataBricks job scheduling and cluster resource utilization

Machine Learning Engineer | AI Software Development | AI Foundry, Wakefield, MA **Jan 2019 – Aug 2019**

- Designed and **developed deep vision neural network models** for document image classification
- Implemented **10x faster and reliable computer vision solution** for the image processing
- Automated keyword image data collection for classification model with the semi-supervised solution
- Developed a lightweight core software algorithm in Python for document key-value extraction and association
- **Represented development team in POC** with clients and sales team
- Contributed to product testing utility for quality improvement and better delivery
- Proactive discussion with SMEs for the process improvements and automation scope

Senior Systems Engineer | Business Intelligence - MicroStrategy | Infosys Limited, India **Jul 2014 – May 2017**

Client: American Express, AZ, USA

- Developed multiple interactive dashboards and reports in MicroStrategy for **Enterprise data analysis**
- Managed project lifecycle for MicroStrategy BI architecture with ITIL framework
- Implemented ETL workflows for data integration from the various data source to Datawarehouse using Talend and SSIS
- Presented **monthly Infrastructure metrics** to clients with **proven strategic solutions** for resource optimization
- Improved report execution with **SQL optimization and process improvement** using automation
- Automated object migration using MicroStrategy tools and VB Script resulted in **saving 1000+ hours** and related cost with **improved customer satisfaction**
- Conducted Bi-yearly data analysis for **User Access Certification Audit**, **License optimization**

CERTIFICATIONS

- **Astronomer Certification for Apache Airflow Fundamentals** **Jun 2021**
- **Google Cloud Certified Professional Data Engineer** **Jan 2021**
- **Databricks Certified Associate Developer for Apache Spark 3.0** **Oct 2020**

TECHNICAL SKILLS

- Cloud Platforms: **Microsoft Azure, Google Cloud Platform, Amazon Web Services**
- Programming Languages: **Python, Java, SQL**
- Data Science Packages: **CV, NumPy, Pandas, Scikit-Learn, Matplotlib, NLTK, TPOT, H2O, Keras**
- Business Intelligence Tools: **Tableau, Power BI, MicroStrategy**
- Databases Systems: **Redshift**, **MySQL, MSSQL, Big Query, MongoDB**
- Big Data Technologies: **Hadoop, Spark, Big Query, HBase, Hive, Pig**
- CICD technologies: **Docker, Kubernetes, Ansible, Jenkins, Circle-CI, GitHub**