

Aditi Shashank Joshi

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EDUCATION

- **Arizona State University** Tempe, Arizona
Master of Science in Computer Science; GPA: 3.85/4.0 *Aug 2021 – May 2023 (Expected)*
- **Pune Institute of Computer Technology** Pune, India
Bachelor of Engineering in Computer Engineer; GPA:8.3/10.0 *Jul 2015 – Jun 2019*

TECHNICAL SKILLS

Certifications: GCP Associate Cloud Engineer

Programming Languages: Python, Java, C++, C, Spring boot, Bash, JavaScript, NodeJS, React

Cloud Platforms and Databases: GCP, AWS, Azure, DBT, MySQL, MongoDB, Elasticsearch, PostgreSQL

Data Engineering: Airflow, Tableau, ETL, BigQuery, AppFollow, Kafka, Spark, Big data, Data warehousing, Data Analytics, Data Visualisation, Pandas, Numpy, Scipy, Tensorflow

DevOps and SRE: CICD, Git, Version control, Jenkins, Docker, Kubernetes, Helm Chart, Grafana, Prometheus Pushgateway, Hashicorp Consul, Hashicorp Vault

Software Engineering practices: Agile methodology, Code Refactoring, Metrics collection and Reporting, Attending SCRUM meetings and Daily Stand-ups, Estimation using story points.

EXPERIENCE

- **Palo Alto Networks** Santa Clara, USA
DevOps Engineer Intern *May 2022 – Aug 2022*
 - **Project - SaaS Security:**
 - **Ownership** : Generated the high level and internal metrics around data and metadata which are stored for customers and provided the details to the teams within Palo Alto Networks via 2 Grafana dashboards.
 - **Development** : Python script gathered data from 5 data sources, Grafana picked up the metrics using Prometheus which stores the time series data and then display them on the dashboards. Generated 25 metrics.
 - **Deployment** : Deployed the script as a Kubernetes application inside a Helm Chart.
 - **Technology** : Python, Grafana, Elasticsearch, Consul, Vault, Kubernetes, Helm Chart, AWS, Jenkins, API Gateway, Prometheus, Prometheus Pushgateway
- **Publicis Sapient** Bangalore, India
Associate Software Developer *Jun 2019 – Jul 2021*
 - **Data Engineer - McDonald's Japan Analytics:**
 - **Data Science** : Contributed to 5 Machine Learning models which generate insights of the data and predict the customer's order preferences which boosted the sales by 5%.
 - **Development** : Built Airflow data ingestion pipelines to download over 25+ files of terabytes of data from Azure bucket, decompress the files and ingest the data in Google Cloud Platform's BigQuery.
 - **Ownership** : Single-handedly, initiated adoption of Python as replacement for existing bash scripts; standardized project configurations, reduced development and DevOps effort by 20%
 - **Technology** : Python, AppFollow, DBT, Apache Airflow, Kubernetes, AWS, Azure, GCP tools- BigQuery; DataFlow; Cloud Storage; AI platform.
 - **Big Data Engineer - McDonald's Customer Real Time Data Services:**
Formulated the Jenkins pipeline for batch job processing. Developed Python Scripts for functional testing of the framework - 10 scripts written.

PROJECTS

- **PEARL Project:** Data Visualisation project | ASU.
- Created a Visualization of the emotional profile of a person from text using Social Media platform. **Technology** : D3, JavaScript, HTML, CSS.
- **Movie Recommendation System:** Semantic Web Mining project | ASU.
- Compared models using Collaborative Filtering and Matrix Factorization and Item-based KNN, and test it on the 20M MovieLens dataset to predict users' movies to watch. **Technology** : JavaScript, Jupyter Notebook, CSS, HTML, Python, Perl, Shell.
- **Drive Thru Crew Automation** : Burger hack - McDonald's Hackathon – Ranked top 10 worldwide | Publicis Sapient.
- Created the user flow for a customer when he enters the drive-thru, displaying his personalized menu based on previous orders through POS machines. **Technology** : NodeJS, ReactJS, MongoDB.
- **Web Application for Textile Industry** : Smart India Hackathon Project | PICT.
- Fabricated a marketing portal using MERN stack for the Ministry of Textiles, to connect the producers with consumers. **Technology** : Bootstrap, NodeJS, ExpressJS, MongoDB.

AWARDS

- **You made a Difference award:** for striving towards excellence for the project and partnering for client impact at Publicis Sapient.
- **Smart India Hackathon Project** : Awarded second place by the Government of India.