

Aditi Shashank Joshi

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EDUCATION

- Arizona State University** Tempe, Arizona
Master of Science in Computer Science; GPA: 3.72/4.0 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

PROGRAMMING SKILLS

GCP Associate Cloud Engineer certified.

Programming Languages: Python, C++, C, Java, Spring boot, Bash

Web Technologies: AWS, GCP, Azure, JavaScript, NodeJS, React, Kafka, Consul, Vault, API Gateway

Software Tools/Frameworks: Docker, Tensorflow, Keras, Pytorch, MongoDB, MySQL, Jenkins, Airflow, DBT, AppFollow, Elastic search, Kubernetes, Helm Chart

Software Engineering practices: Agile methodology, DevOps, Git and Version control, code refactoring, Metrics collection and reporting, Attending SCRUM meetings and daily stand-ups, Estimation using story points.

EXPERIENCE

- Palo Alto Networks** Santa Clara, USA
Summer Internship May 2022 – Aug 2022
 - DevOps Engineer Intern in SaaS Security:**
 - Ownership** : Generated the high level metrics around data and metadata which are stored for customers and provided the details to the internal 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 newly created dashboards.
 - Deployment** : Deployed the script as a Kubernetes application inside a Helm Chart.
 - Technology** : Grafana, ElasticSearch, Consul, Vault, Kubernetes, Helm Chart, AWS, Jenkins, API Gateway, Prometheus, Prometheus Pushgateway, Python
- 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

- Machine learning model to classify time series data:** Data Mining project | ASU.
 - Analysed blood glucose measurement data of 200 days from a continuous glucose monitor (CGM) and insulin pump to extract 36 statistical measures. Identified meal and no meal time series and performed feature extraction to retrieve 4 features.
 - Trained a Decision Tree Classifier to classify meal and no-meal data. **Technology** : Python, Pandas and Scikit-Learn Library.
- ASL Fingerspelling detection:** Mobile Computing project | ASU.
 - Created an application which takes a video input of a person displaying the ASL alphabets and it will try to guess the alphabet or word shown in the video. **Technology** : Android Studio, Python, Deep Learning, CNN.
- 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 and 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 and MongoDB.

AWARDS

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