

# Aditi Shashank Joshi

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## EDUCATION

- **Arizona State University** Tempe, Arizona  
*Master of Science in Computer Science* Aug 2021 – May 2023 (Expected)
- **Pune Institute of Computer Technology** Pune, India  
*Bachelor of Engineering in Computer Engineer; GPA: 3.8 (8.3/10.0)* July 2015 – June 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

**Software Tools/Frameworks:** Docker, Tensorflow, Keras, Pytorch, MongoDB, MySQL, Jenkins, Airflow, DBT, AppFollow

**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

- **Publicis Sapient** Bangalore, India  
*Associate Software Developer* June 2019 – July 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%
    - **Customer Support:** Resolved a total of 300+ critical support and enhancement tickets.
    - **Third-party integrations** : Engineered complete backend integration of 3rd parties like AppFollow (displayed live reviews and rating for Android and iOS applications), DBT (transformation of data in the warehouse) - Total 10 applications integrated
    - **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 - 100 scripts written.
- **OpenEBS Project** Pune, India  
*Student Intern* Feb 2018 – May 2018
  - **MayaData:** Worked on the existing OpenEBS framework, and deployed a Go script using a Kube cluster - 10 scripts written.  
**Technology** : Docker, Kubernetes, Go, Git

## PROJECTS

- **Drive Thru Crew Automation** : Burger hack - McDonald's Hackathon – Ranked top 10 worldwide.  
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.
- **License Plate Recognition system for vehicles** : Bachelor's Final year project.  
Constructed an automatic vehicle license plate identification system using CNN algorithm and character recognition that captures real time videos from CCTV footage. Helpful for the police department in Pune. **Technology** : Python, CNN, Deep Learning.
- **Web Application for Textile Industry** : Smart India Hackathon Project.  
Fabricated a marketing portal using MERN stack for the Ministry of Textiles, to connect the producers with consumers. **Technology** : Bootstrap, NodeJS, ExpressJS and MongoDB.
- **Heart Disease Prediction:** Presented 5 Machine Learning models to predict the occurrence of heart diseases in a patient.

## 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.

## EXTRA CURRICULAR ACTIVITY

- **Member:** of the Data Intelligence: Global Research team of Publicis Sapient
- **IEEE:** Volunteer for Women in Engineering department, to facilitate the global recruitment of women in technical disciplines.
- **Google Developers Group:** Attended DroidFest in 2016, DevFest in 2017.