Aditi Shashank Joshi

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EDUCATION

Arizona State University — Tempe, Arizona
Master of Science in Computer Science; GPA: 3.44/4.0 — *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) — *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
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 — *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%
  - **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 - 10 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

- **ASL Fingerspelling detection**: Mobile Computing project.
  Created an application which takes a video input of a person displaying the ASL alphabets and it will try to guess the alphabet shown in the video. **Technology** : Python, Deep Learning, CNN.
- **Eating Activity Recognition**: Data Mining project.
  Performed four assignments which consisted of extracting several performance metrics of an Artificial Pancreas system from sensor data, using a training data set to train and test a machine model to distinguish between meal and no meal time series data, applying the cluster validation technique to the data which extracted from a given data set, to determine anomalous events through Association rule mining. **Technology** : Python, Decision Trees, Support Vector Machine.
- **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.