
September 21, 2022

Amey Bhilegaonkar
amey.bhilegaonkar@asu.edu
1130 E Orange St, Tempe, Arizona, 85281, USA

Dear Recruiter,

I am writing to apply for the **Data Science Summer Internship** position at Arizona State University. I believe my research and work experience makes me an ideal candidate. I am passionate about **statistics and analytics**, which led me to pursue a **master of Computer Science** specializing in **Data Science**. I took courses like Statistical Machine Learning, and Spatial Data science this semester, to sharpen my edges over the foundations of Machine Learning.

I have 3+ years of professional experience at **Publicis Sapient** working as a Data Analyst and Data Engineer, where I was responsible for analyzing data to drive optimization and improvements of products. I learned valuable critical thinking and problem-solving skills that would make me a great addition to the Optiver team.

In 2019, I joined the McDonald's Japan Analytics project team as a **Data Engineer and Data Analyst** where I performed data ingestion of files such as sales, customer registration, loyalty, offers, etc. I analyzed the collated data and developed Machine Learning models to generate insights such as the number of coupons being used, trends of customers, etc. My responsibilities included assisting in the creation of the data ingestion pipeline, data validation, data segmentation using Google Cloud Platform, and development of the ML models. The main coding language was Python, shell scripting, and SQL scripts. Pertaining to my interest in Google Cloud, I also completed my **Associate Cloud Engineer certificate**.

In 2021, I joined the McDonald's CRDS project team as a **Data Engineer** where I was responsible to create and maintain data pipelines to extract, transform and load data from different input sources into a centralized data base system both in Real-Time and Batch processing. I also worked on resolving ad-hoc tasks, upgraded and strengthened some of the core modules, and created scripts to modify the database on a scheduled basis.

I have the experience needed to help Optiver grow. Your listed requirements closely match my background and skills. A few I would like to highlight that would enable me to contribute to your organization are:

- Currently pursuing Masters's in Computer Science at Ira Fulton.
- Strong coding experience in Python programming language for over 5 years, 3+ years as a Data Engineer with the skills like Data cleaning, Data Transformation, Data Extraction, and Data Loading
- Experience with IT practices such as Agile/Scrum, CI/CD, peer-reviews, continuous improvement, etc.
- Understanding and Experience of cloud technologies and orchestration frameworks like Kubernetes, Docker, GCP, Azure, AWS, GitHub, Airflow, OpenCV.
- Experience building applications with no-SQL databases - Big Query, Cassandra, DynamoDB
- GCP Associate Cloud Engineer certified

Looking forward to discussing my application and job requirements in further detail. I'm available to talk at your convenience. Thank you for your consideration. Please feel free to contact me if you have any questions. I appreciate your time and consideration, and I hope to hear from you soon.

Sincerely yours,

Amey Bhilegaonkar
