

Shyam Desai

Data Scientist & Engineer. Available for remote or in-person work.

Princeton, NJ
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EXPERIENCE

Computational Biomarker Imaging Group, Philadelphia— *Junior Analyst*

MAY 2021 - PRESENT

- Developing a 3D breast lesion identification pipeline with Python & Tensorflow framework.
- Spearheading literature review paper in AI & breast cancer.

LFG, Philadelphia— Cloud Engineer

SEP 2020 - MAY 2021

- Primary solutions architect for a SaaS platform built on AWS.

Center for Biomedical Image Computing and Analytics, Philadelphia— *Application Developer*

SEP 2019 - SEP 2020

- Lead CI/CD for an image processing and analytics toolkit (CaPTk).
- Developed image-based ML models to discriminate cancerous lesions; generated big data pipeline to process 16k patient data.

EDUCATION

Drexel University, Philadelphia— *MS in Artificial Intelligence*

MAY 2021 - PRESENT

- Studying AI & algorithms with a focus on deep learning.

Drexel University, Philadelphia— *BS in Data Science*

SEP 2017 - MAY 2021

- Studied CS theory & software development with data science.

RESEARCH

Perelman School of Medicine, University of Pennsylvania

- Gastouniotti, Aimilia; Desai, Shyam, et al. *Artificial Intelligence in Mammographic Phenotyping of Breast Cancer Risk: A Narrative Review*. Breast Cancer Research.

SKILLS

Python, C/C++, Bash, R, & SQL.

Apache Spark, Hadoop, & Gcloud Dataproc.

Pytorch, Tensorflow, AWS SageMaker, & AzureML SDK.

AWS solutions like EC2, DynamoDB, Aurora, Lambda, & Redshift.

AWARDS

Magna Cum Laude at Drexel University class of 2021.

Upsilon Pi Epsilon computing and informatics honor society, Drexel University chapter.

LANGUAGES

English (native) & Spanish