

# Ritik S Ghanshani

Philadelphia, PA 19104

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## Education

### Drexel University

BACHELOR OF SCIENCE IN COMPUTER SCIENCE  
CONCENTRATIONS IN AI AND COMPUTER VISION  
MINOR IN ENTREPRENEURSHIP AND INNOVATION

Philadelphia, PA

Graduation: September 2022

Cumulative GPA: 3.99

## Experience

### Moberg Analytics Inc.

Philadelphia, PA

SOFTWARE ENGINEERING CO-OP

September 2021 - Present

- Developing dev environments and CI/CD pipelines to automate testing and deployment to production environment
- Utilizing Docker to interface multiple Flask applications for clinical trials with Celery task queue, PostgreSQL DB, and AWS S3
- Pivoting existing applications to serverless deployments with minikube and knative to reduce costs of deployment
- Maintaining a Kubernetes data-management platform for 2 clinical trials on Neurocritical care with over 50 sites

### Bristol Myers Squibb Company

Hopewell, NJ

CLOUD DEVELOPER CO-OP

September 2020 – March 2021

- Built a front-end React application to assist 200 projects with generating JSON configurations for AWS deployment
- Refactored codebase for the prototype application to incorporate design patterns and ensure maintainability
- Created backend functionalities using AWS API Gateway and Lambda to provide context based suggestions
- Hosted the single page application on AWS S3 using CloudFormation and CloudFront

### Agilent Technologies

Wilmington, DE

SOFTWARE ENGINEERING CO-OP

September 2019 – March 2020

- Devised a dashboard to automate routine tasks, reducing the time taken to generate Production reports by 10 hours per week
- Pioneered the development process of the dashboard for 6 months including project timeline and scope management
- Incorporated KPI analytics for 10+ GB of logistics data into the dashboard using ASP.NET as the frontend
- Processed optimal shipment dates by combining raw shipment data and purchase history in a SQL database

## Projects

### Senior Design Project

Philadelphia, PA

MLOPS LEAD ENGINEER AND PRODUCT OWNER

September 2021 - Present

- Remodeling an old project using digitized slides to improve the classification accuracy of eosinophil cell density to 80%
- Prescribing the appropriate treatment for potential chronic sinusitis given high eosinophil cell density using a CNN
- Deploying and managing Deep Learning pipeline using AWS SageMaker, S3 Glacier and ECR
- Creating and maintaining the vision, roadmap, and backlog of work through the project's life cycle

## Skills

<b>Programming Languages</b>	Python, Javascript, Java, MATLAB, SQL, C#
<b>Frameworks</b>	React, .NET, Flask, PyTorch
<b>Technologies</b>	PostgreSQL, Kubernetes, Docker, Git, GitHub Actions, Bitbucket Pipelines
<b>Cloud Computing</b>	Amazon Web Services, IBMCloud
<b>Operating Systems</b>	Linux, Windows, MacOS

## Activities

### Drexel Clubs

Member, Algorithms & Data Structures Club  
Member, Artificial Intelligence Club  
President, Drexel Robotics Club

September 2020 - Current

September 2020 - Current

September 2019- September 2020