

Ritik S Ghanshani

CLOUD COMPUTING AND DEVOPS ENTHUSIAST

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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.

SOFTWARE ENGINEERING CO-OP

Philadelphia, PA

September 2021 - Present

- Developing CI/CD pipelines using Docker and IBM Cloud to automate testing and deployment to production environment
- Utilizing Docker to interface multiple Flask applications for clinical trials with Celery, 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

CLOUD DEVELOPER CO-OP

Hopewell, NJ

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

SOFTWARE ENGINEERING CO-OP

Wilmington, DE

September 2019 – March 2020

- Devised a dashboard to automate routine tasks, reducing the time taken to generate 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

MLOPS LEAD ENGINEER AND PRODUCT OWNER

Philadelphia, PA

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

Programming Languages Python, Javascript, Java, MATLAB, SQL, C#

Frameworks React, .NET, Flask, PyTorch

Technologies PostgreSQL, Kubernetes, Docker, Git, GitHub Actions, Bitbucket Pipelines

Amazon Web Services EC2, IAM, ECR, EFS, RDS, S3 Glacier, Lambda, CloudFormation, SageMaker Studio, API Gateway

Operating Systems 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