

Ritik S Ghanshani

Philadelphia, PA 19104

☎ (215)252-6896 | ✉ rsg87@drexel.edu | 🌐 github.com/ritik-ghanshani | 🔗 linkedin.com/in/ritik-ghanshani

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

- Maintaining a Kubernetes data-management platform for 2 clinical trials on Neurocritical care with over 50 sites
- Utilizing Docker to interface multiple Flask data upload portals for clinical trials with Celery task queue, PostgreSQL DB, and AWS S3
- Reducing costs of deployment by 94% through serverless deployments with minikube and knative software

Bristol Myers Squibb Company

Hopewell, NJ

CLOUD DEVELOPER CO-OP

September 2020 – March 2021

- Developed an automated tool to increase the speed and efficiency of the AWS resource deployment process by 20%
- Built a front-end form using React to assist 200 projects with generating JSON configurations for AWS deployment
- Created backend functionalities using AWS API Gateway and Lambda to provide context based suggestions for JSON fields
- Hosted the application on AWS S3 using CloudFormation and CloudFront as a tool utilized by 20 dashboards

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

Culture CoLab, Ltd.

Ranchi, India

DIGITAL INNOVATION INTERN

February 2018 – April 2018

- Launched a Google Play Store App to connect thousands of rural students to companies that offer Learn and Earn opportunities
- Implemented Authentication and Database for storing 5+ GB user data using Firebase
- Utilized Microsoft Azure and Tableau to determine high potential customers from the userbase
- Constructed an information portal using Raspberry Pi and Alexa to use voice recognition to welcome 300+ visitors a month

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

Programming Python, Java, Javascript, MATLAB, SQL, C#, HTML, CSS

Technologies React, .NET, Flutter, Postgres, Kubernetes, Docker, Git, GitHub Actions

Libraries Flask, OpenCV, NumPy, Pandas, PyTorch, Tensorflow

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

Activities

Facebook Member, Above and Beyond Computer Science Program

August 2021 - Current

Drexel Clubs Member, Algorithms & Data Structures Club

September 2020 - Current

Member, Artificial Intelligence Club

September 2020 - Current

President, Drexel Robotics Club

September 2019- September 2020