Ritik S Ghanshani

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Education

Drexel University *Philadelphia, PA*
BACHELOR OF SCIENCE IN COMPUTER SCIENCE *Graduation: September 2022*
CONCENTRATIONS IN AI AND COMPUTER VISION *Cumulative GPA: 3.99*
MINOR IN ENTREPRENEURSHIP AND INNOVATION

Experience

Moberg Analytics Inc. *Philadelphia, PA*
SOFTWARE ENGINEERING CO-OP *September 2021 - Present*

- Maintaining a Kubernetes data-management platform for 2 clinical trials with over 50 sites
- Utilizing Docker to interface Flask apps with Celery task queue, PostgreSQL DB, and AWS S3
- Executing Cron Jobs and 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 deployment process
- Hosted the application on AWS S3 using CloudFormation and CloudFront
- Built the front-end using React and JavaScript libraries
- Created backend functionalities using AWS API Gateway and Lambda

Agilent Technologies *Wilmington, DE*
SOFTWARE ENGINEERING CO-OP *September 2019 – March 2020*

- Devised a dashboard to automate routine tasks and reduce time taken to generate Production reports by 10 hours per week
- Lead the development process of the dashboard from start to finish including project timeline and scope management
- Designed the frontend using ASP.NET and used JavaScript libraries to incoporate analytics into the dashboard
- Created a SQL Database to sync and process the raw data from SAP database

Culture CoLab, Ltd. *Ranchi, India*
DIGITAL INNOVATION INTERN *February 2018 – April 2018*

- Launched a Google Play Store App to connect rural students to companies that offer Learn and Earn opportunities
- Implemented Authentication and Database using Firebase as the backend
- Utilized Data Analytics software like Microsoft Azure and Tableau to determine high potential customers
- Constructed an information portal using Raspberry Pi and Alexa to use voice recognition to welcome visitors

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 desnity 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, NumPy, Pandas, PyTorch, Tensorflow, Java, Javascript, SQL, C#, HTML, CSS
Technologies	React, Flask, .NET, Flutter, OpenCV, jQuery, Docker, Git, GitHub Actions
Amazon Web Services	S3 Glacier, RDS, EC2, IAM, API Gateway, CloudFront, CloudFormation, SageMaker Studio, ECR, Lambda, EFS

Activities

Facebook	Above and Beyond Computer Science Program, Member from August 2021 - Current
Drexel Clubs	Algorithms & Data Structures, Member from September 2020 - Current
	Artificial Intelligence, Member from September 2020 - Current
	Drexel Robotics Club, President from September 2019- September 2020