

You are invited to the **Georgia CTSA Lunch & Learn Series with Informatics Experts** webinar on **Wednesday, May 31, 2023 from 1:00-2:00pm**.

**SPEAKERS:** Dr. Nita Deshpande (Sr. Bioinformatics Scientist)  
Dileep Gunda, Venky Javvaji, Sreekar Anugu (Sr. Software/App Developers)  
Matt Pagel, Research Informatics Analyst

**TITLE:** Georgia CTSA Machine Learning Operations and Application Development Services

Georgia CTSA has standardized the requirements for deploying custom models developed by Emory Faculty and Research community. We currently support deployment of models developed in Python and R. The Lunch and Learn session will elaborate on the requirements for the deployment process. We will give you details on how the model will be prepared, the data elements that will be extracted from Epic and the steps we will take to push the model into production. We will also briefly touch upon filing the results of the model back into the Epic ecosystem and enable result visualization and tracking through Hyperspace.

Georgia CTSA technical team also has expertise in the development of custom web applications, microservices and database applications in the cloud and on-prem. Requests for web based applications can be made and requirements for backend data loading and curation can be specified. We will present the various backend data storage options in this session and the various front end and middle tier technologies that we can employ to build the applications.

Georgia CTSA team can also create ETL pipelines to extract data from legacy CDW (currently in AWS) and Epic Clarity for cohorts based on custom inclusion/exclusion criteria. The ETLs can be automated and data extracted on periodic basis. In addition, data transformation into various CDMs such as OMOP and PCORNET will also be discussed.

**REGISTER NOW!:** <https://bit.ly/GCTSAInforExperts-May>

For questions, please contact Michael Proctor: [michael.proctor@emory.edu](mailto:michael.proctor@emory.edu)

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# Georgia CTSA Machine Learning Operations and Application Development Services

Emory School of Medicine

## SR. INFORMATICS EXPERTS PANEL

Nita Deshpande, Sr. Bioinformatics Scientist

Venky Javvaji, Sr-BMI Software Dev/Applications

Dileep Gunda, Sr-BMI Software Dev/Applications

Sreekar Reddy Anugu, Sr-BMI Software Dev/Applications

Matt Pagel, Research Informatics Analyst

Online Webinar

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