

## Biographical Sketch

<b>Provide the following information for each individual included in the Research &amp; Related Senior/Key Person Profile (Expanded) Form.</b>			
NAME Gouthami Kothakapu		POSITION TITLE Data Warehouse Research System Analyst	
EDUCATION/TRAINING			
INSTITUTION AND LOCATION	DEGREE (IF APPLICABLE)	YEAR(S)	FIELD OF STUDY
Jawaharlal Nehru Technological University Hyderabad (JNTUH), Hyderabad, India	B.Tech.	2010-2014	Information Technology
Marshall University (MU), Huntington, WV, USA	M.S.	2014-2016	Computer Science
<p><b>RESEARCH AND PROFESSIONAL EXPERIENCE:</b></p> <p><u>A. Personal Statement</u></p> <p>My current work experience at the Department of Clinical and Translational Sciences, Marshall University School of Medicine has given me an in-depth understanding of clinical research, specifically the data warehouse driven techniques used to develop various novel (technology) models to improve the patient care in Appalachian area. I am involved in generating the SQL script to retrieve de-identified data useful for clinical research. Furthermore, I am involved in tasks like data cleaning, data visualization, etc. that helps the medical personnel to analyze the data. Honest Broker System helped me to perform data security for HIPAA (PHI) data. I developed expertise in the REDCap system that stores data securely with ease of access. I developed an interest in machine learning algorithms and programming. E-Health System for Real-Time Monitoring of Chemotherapy Side-Effects in Lung Cancer Patients is an ongoing project, gave me an opportunity to increase my technical ability in machine learning and programming. I am able to contribute to professional education by teaching the CTS clinical informatics courses.</p>			

## B. Positions and Employment

Jan 2015 - Dec 2015	Graduate Assistant, Several Departments (Computer Science Department, Health Informatics Department), Marshall University, One John Marshall Drive, Huntington, WV
Jan 2016 - May 2016	Intern, Department of Clinical and Translational Sciences, Joan C. Edwards School of Medicine, Marshall University, 1600 Hal Greer Blvd. Huntington, WV
Aug 2016 - May 2018	Assistant Professor, Computer Science, University of Rio Grande, 218 N College Ave, Rio Grande, OH
June 2018 -	Data Warehouse Research System Analyst, Department of Clinical and Translational Sciences, Joan C. Edwards School of Medicine, Marshall University, 1600 Hal Greer Blvd. Huntington, WV

## C. Publications

1. Cecchetti A., Bhardwaj N., Murughiyan U., Kothakapu G., & Sundaram U. Appalachian Informatics Platform: A Multicentric Data Warehouse with Embedded Data Analytics and Interactive Visualization for Clinical and Translational Research.  
<https://preprints.jmir.org/preprint/17962>

## D. Research Experience

Smartphone Technology for HIPAA Compliance data: To show that the Smartphone application can be used securely to access sensitive patient information by Clinical personnel (users), wherein behavioral biometrics of the user and smartphone itself (GPS coordinates) can authenticate the user, specifically focus is made on security measures as the data is retrieved from the data warehouse.

## E. Professional Memberships

2019 – present                      Member of the WVCTSI