

## Shashank Ranjan's BIO

**SHASHANK RANJAN** IS A PH.D. STUDENT IN THE [COMPUTER & INFORMATION SCIENCE & ENGINEERING DEPARTMENT](#) AT THE [UNIVERSITY OF FLORIDA](#) WHERE HE IS PART OF THE GRAPHICS, IMAGING & LIGHT MEASUREMENT LABORATORY (GILMLAB). SHASHANK RANJAN EARNED A MASTER OF SCIENCE DEGREE IN COMPUTER SCIENCE FROM UNIVERSITY OF FLORIDA. HE OBTAINED A BACHELOR OF TECHNOLOGY DEGREE FROM [NATIONAL INSTITUTE OF TECHNOLOGY, WARANGAL](#) (NIT WARANGAL), INDIA. PRIOR TO JOINING UF, SHASHANK RANJAN WORKED AS SOFTWARE ENGINEER AT INFORMATICA CORP.

SHASHANK RANJAN'S RESEARCH AREAS ARE COMPUTER GRAPHICS, MULTISPECTRAL IMAGING, 3D DISPLAYS AND NON-PHOTOREALISTIC RENDERING. HIS MASTER'S THESIS WORK FOCUSED ON DEVELOPING AN ALGORITHM FOR LEVERAGING THE ADDITIONAL INFORMATION PROVIDED BY MULTISPECTRAL DATA TO CREATE BIOLOGICAL ILLUSTRATIONS OF SHELL FOSSILS. HIS RESEARCH WORK, PART OF THE NSF'S IDIGBIO INITIATIVE, IS THE ONE OF THE FIRSTS IN THE FIELD OF COMPUTER GRAPHICS TO USE NON-VISIBLE SPECTRAL DATA AND PHYSICALLY-BASED MEASUREMENTS TO CREATE NON-PHOTOREALISTIC RENDERINGS OF BIOLOGICAL SPECIMENS.

AFTER COMPLETING HIS BACHELOR'S DEGREE FROM NIT WARANGAL, SHASHANK RANJAN SPENT TWO YEARS WORKING AS A SOFTWARE ENGINEER ON THE USER INTERFACE TEAM AT INFORMATICA CORP. IN HYDERABAD, INDIA. HE WAS RESPONSIBLE FOR DESIGNING AND DEVELOPING USER INTERFACES FOR THEIR BROWSER-BASED PRODUCTS. WHILE AT INFORMATICA, SHASHANK RANJAN PARTICIPATED AND TWICE WON THE INNOVATION DAYS COMPETITION, AN ANNUAL INTRA-COMPANY 24-HOUR HACKING MARATHON. HE WORKED WITH EXECUTIVES, DESIGNERS, DEVELOPERS AND THE CUSTOMER CARE TEAM TO DEVELOP OF NEW SOFTWARE AND TECHNOLOGIES AND IMPROVE THE EXISTING SOLUTIONS FOR THE DATABASE SOFTWARE INDUSTRIES.

IN COLLABORATION WITH THE [FLORIDA MUSEUM OF NATURAL HISTORY](#) AND UNDER THE GUIDANCE OF DR. COREY TOLER-FRANKLIN, DIRECTOR, GILMLAB, UF (ADVISOR), SHASHANK IS DEVELOPING NEW ALGORITHMS FOR ACQUISITION, PROCESSING, VISUALIZATION AND DISPLAY OF MULTI-SPECTRAL DATA FOR APPLICATIONS IN THE FIELDS OF BIOLOGY, PALEONTOLOGY AND ARCHAEOLOGY.