



AKONDI SAISRI

FOURTH YEAR BIOMEDICAL ENGINEERING STUDENT



I am a Fourth year Biomedical Engineering student at Manipal Institute of Technology with a keen interest in Biomechanics and Biomaterials. Over the summer I have worked for World Health Organization project in Egypt as a Biomedical Engineer and have gained immense experience in the field of Clinical instrumentation and systems management. My research interests and projects are mostly in the fields of Tissue Engineering and Biomechanics. I've been working on the analysis of different animal bones as a possible bone plate and evaluating the geometry using Finite Element Analysis as my major project. I believe innovation and sustainability of a product takes us into the future of technology and changes the world as we know by making technology reach remote areas. This has inspired me to take minors in Electronic product design and packaging, health economics, artificial neural networks and Physiological control systems.

Apart from research projects, I am involved in non for profit projects like digitization of immunization records in India and creating a platform for electronic health records. Ethical leadership and socially responsible innovation has inspired me to be a TEDx speaker at Manipal University with my speech titled 'Limitless Frugal Innovation'. I have also been working on a hardware based foot sole which can track prognosis of Diabetic Peripheral Neuropathy which is one of the major problems being faced my people in India due to unhealthy foot care practices.

I have organized multiple Hackathons related to Medical Devices and was a Student Coordinator for CAMTech, India. The CAMTech INDIA program engages key stakeholders in the country's healthcare ecosystem to support, expand, and bring to scale affordable medical technologies and healthcare-system innovations in India.

I am a strong advocate for gender equality which motivated me to represent the HeforShe movement by United Nations Women as a youth representative. I also have interests in Public health policy, having done over 35 Model United Nations and representing India at the Harvard US-India Initiative for the years 2016 and 2017.

I am looking to work as a research intern in the orthopaedics and biomaterials department to learn about recent developments and emerging projects in New Zealand. I am hoping to have a great learning experience in the field of Science and Technology at New Zealand!