Potlapalli **Vaishnav Rao**

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Education

Mahindra Ecole Centrale   *Hyderabad,Telangana*
B.TECH IN COMPUTER SCIENCE ENGINEERING   *August 2016 – May 2020*

Narayana Junior College   *Hyderabad*
M.P.C,INTERMEDIATE   *June 2014 – May 2016*

Meridian School For Boys and Girls   *Hyderbad*
10TH GRADE   *May 2013 – June 2014*

Experience

Dhan AI Inc
MACHINE LEARNING ENGINEER   *April 2020 - Present*
- I work on Natural language understanding to build Applications for healthcare domain.

Centre For Visual Information Technology, IIIT, Hyderabad
RESEARCH INTERN(PROF DR . RAVI KIRAN S)   *June 2019 – January 2020*
- Worked under the guidance of Prof.Ravi Kiran S as a research Intern on multiple fields of computer vision and deep learning like,Image to Image Translation, Domain adpatation,Semantic Segmentation and Object Detection
- Worked on segmentation of tables in degraded medical documents.

International Institute of Information Technology,Hyderabad
INTERN - PRODUCT LABS   *May 2018 – April 2019*
- Worked on building market-relevant products from the technologies developed at the research labs in IIIT-Hyderabad.My work included Understanding and implementing research papers and building prototypes from the research.Built a deep learning based form parsing tool for faster processing of handwritten forms.

Projects

Table segmentation in medical document Images   *PyTorch, Python*
USING DEEP LEARNING AND COMPUTER VISION TECHNIQUES TO SEGMENT TABLES FROM DEGRADED MEDICAL
DOCUMENT IMAGES

Document Parsing Tool   *Python, Keras, OpenCV, Flask*
DEVELOPED A TOOL WHICH EXTRACTS RELEVANT INFORMATION FROM THE IMAGE OF A DOCUMENT AND INSERTS IT
INTO A DATABASE. IT IS A FULLY AUTOMATED TOOL BUILT USING COMPUTER VISION AND DEEP LEARNING
TECHNIQUES.

ROBOMUSE - Autonomous Mobile robot platform   *ROS, OpenCV, PyTorch, C++, Python*
A MOBILE ROBOT PLATFORM WITH AUTONOMOUS PATH PLANNING AND NAVIGATION.USES LIDARSS AND VISION
SYSTEMS FOR NAVIGATION

Skills

Programming Languages: Python, C, C++, Javascript, HTML/CSS
Frameworks: PyTorch, OpenCV, Keras, Flask

Research

MediTables-IIIT: A New Dataset and DeepNetwork for Table Understanding in Medical Documents

WON A HACKATHON ON MEDICAL TECHNOLOGY FOR BUILDING AN APP WHICH DOES POSE ESTIMATION AND SUGGESTS POSTURE CORRECTIONS TO PREVENT INJURIES AND FACILITATE PHYSIOTHERAPY TREATMENT.

Awards and Achievments

July 2018   **MedTech Hackathon-Winner**, Won a hackathon on medical technology for building an app which does pose estimation and suggests posture corrections to prevent injuries and facilitate physiotherapy treatment.   *Novartis*

Activites

July 2018   **Head-Gaming Club**, Headed the gaming club at mahindra Ecole Centrale

Semi Finalist - CBSE National Taekwondo Championship, Participated in the CBSE National Taekwondo championship

March 2014

2018   **Life Member**, Member of the Indian Red Cross Society since 2018

Member-Debating Club, Member of Debating club at Mahindra Ecole Centrale and won many school level debate competitions