

# Potlapalli Vaishnav Rao

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## Education

### Mahindra Ecole Centrale

B.TECH IN COMPUTER SCIENCE ENGINEERING

Hyderabad, Telangana

August 2016 – May 2020

### Narayana Junior College

M.P.C, INTERMEDIATE

Hyderabad

June 2014 – May 2016

### Meridian School For Boys and Girls

10TH GRADE

Hyderabad

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 adaptation, 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

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### 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 Achievements

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July 2018	<b>MedTech Hackathon-Winner</b> , 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.	<i>Novartis</i>
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## Activites

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July 2018	<b>Head-Gaming Club</b> , Headed the gaming club at mahindra Ecole Centrale
March 2014	<b>Semi Finalist - CBSE National Taekwondo Championship</b> , Participated in the CBSE National Taekwondo championship
2018	<b>Life Member</b> , Member of the Indian Red Cross Society since 2018
	<b>Member-Debating Club</b> , Member of Debating club at Mahindra Ecole Centrale and won many school level debate competitions