

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 and Machine learning to build Applications for healthcare domain.
- Developed and Managed a Chatbot application to manage patient engagement for a hospital chain
- Worked on developing the NLP components for a no code Chatbot platform.

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.
- Work Published at GREC 2021

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

Publications

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

GREC-2021

AKSHAY PRAVEEN DESHPANDE,VAISHNAV RAO POTLAPALLI AND RAVI KIRAN SARVADEVABHATLA

Courses and Certifications

Machine learning Summer School (EEML -2021)

Eastern European Machine Learning

Fundamentals of Reinforcement learning

Coursera

Fundamentals of Accelerated Computing with CUDA C/C++

Nvidia Deep Learning Institute

Skills

Programming Languages: Python, C, C++, Javascript, HTML/CSS

Frameworks: PyTorch, OpenCV, Keras, Flask

Awards and Achievements

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

March 2014 **Semi Finalist - CBSE National Taekwondo Championship**, Participated in the CBSE National Taekwondo championship

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