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 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.

CVSSP - University of Surrey
Research Assistant   *May 2021 - Present*
- Working on problems in Computer vision and Active Learning

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 Institue

Skills

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

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

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