

AYUSH SHARMA

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OBJECTIVE

Seeking an challenging position to work in field of Machine Learning, Natural Language Processing and Artificial Intelligence. Also has the affinity with certain areas which include software development, computer vision, cloud computing, database management, etc.

EDUCATION

Vellore Institute of Technology, Chennai

B.Tech SCSE 2019

Current CGPA = 8.92

Rainbow School

10 CBSE 2013

12 CBSE 2015

EXPERIENCE

Surukam Analytics Private Limited Chennai, Tamil Nadu

Intern

April.18 - June.18

Worked on Legal Document Information Extraction Pipeline (a project based on Machine Learning, Natural Language Processing and Computer Vision)

PROJECTS

Hostel Complaint Box

July.16 - Dec..16

A website to collect the feedback and complaints of hostel services from the residents and helps the warden to manage these requests.

Analysis of Image Segmentation Methods Dec..17 - April.18

Analysis on how different segmentation techniques can be applied for the detection of nuclei in cytological images. Used segmentation method to achieve an improved precision by 11%.

Quora Question Pairing

Aug..17 - Nov..17

Classification of 13 million question pairs as similar or not with an accuracy of 82% by using fundamentals of NLP and ML.

MediClo

Aug..17 - Nov..17

An Autonomous Cloud Integrated medicine delivery system which uses line following robot as basis of architecture.

Intelligent music recommendation system (VIBES)

June.18 - Present

An IoT project which involves working of a music system on raspberry pi controlled with hybrid applications over common android and windows devices. This music system recommends music to the user through self generating playlist created using machine learning algorithms.

Denial of DDoS

Dec..17 - April.18

Generated a SNMP Parameters dataset based on simulated DDOS attack. This was used to detect and prevent the possibility of a DDOS attack by using various machine learning technique with an accuracy of 64%.

Web Flow Aggregator (Trails)

June.18 - Present

Trails is a web application that lets user visualize their web surfing sessions as dynamic maps. These maps can be viewed, searched and shared using Trails.

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SKILLS

PROGRAMMING SKILLS: C language, C++, Python

OTHER SKILLS: Machine Learning, Natural Language Processing, Deep Learning, Artificial Intelligence, Image Processing, CBIR, Data Visualization

ACHIEVEMENTS

International Conference on Intelligent Computing and Sustainable System (ICICSS 2018) Sept..18
Research Paper on "Automated Medicine Distribution System"

International Conference on Smart Systems (ICSS - ADYPU) Sept..18
Research Paper on "Semantic String Matching on Quora Question Pairs"

VIT SCSE · IoT Expo 2018 - Winner March.18
Developed a medicine dispensary system that would help elder or bed ridden patients

International Conference on New Trends In Engineering and Technology (ICNTET 2018) Sept..18
Research Paper on "Detection and Classification of DDoS Attacks using Machine Learning Models with Real Time Generated Dataset"

Coursera · Neural Networks and Deep Learning (Online Course) June.18
Neural Networks and Deep Learning by deeplearning.ai on Coursera with consolidated score of 100%

Indian Institute of Technology, Madras · NPTEL Online Certificate (Gold + Elite) March.18
NPTEL Online Course on Programming, Data Structures and Algorithms with consolidated score of 90%

ACTIVITIES

National Service Scheme Camp · Member of NSS Club
A 7 day camp organised by NSS club, VIT chennai in a government school in Thiropurur where some community service activities were organised such as temple cleaning, awareness harmful plastic usage, medical camp, blood donation camp.