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SKILLS SUMMARY

Programming Languages

Python - C - C++ - Java

Web Technologies

NodeJS, ReactJS, HTML/CSS, Javascript

Databases

mySQL, MongoDB, Elasticsearch

Other

TensorFlow, Git, Github, Kibana, AWS Lex, Figma, Canva

MOOCS

- The Complete Web Development Bootcamp (Udemy)
- The Complete Node.js Developer Course (Udemy)
- Neural Networks and Deep Learning (Coursera/Deeplearning.ai)
- Convolution Neural Networks in TensorFlow (Coursera/Deeplearning.ai)
- Blockchain Basics (Coursera)
- Interfacing with Arduino
- Foxmula-IITR-Cognizant - Introduction to WebDev and NodeJS

SANJIT C K S

CS UNDERGRAD

PERSONAL PROFILE

I am a CS undergrad and software developer with keen a interest in web development and deep learning. When I'm not busy building stuff you can find me writing about technology and programming.

EXPERIENCE

Media Director and Web Master

The Hindu Edication Plus Club | Feb 2020 - present

- Co-heads THEPC Tech. Managed, collaborated and worked with a team of 6. Conducted over 8 online events during the pandemic.
- Responsible for collaborations with other clubs for media and events. Collaborations 2020: Code2Create by ACM-VIT, Hack4Cause by IEEE-SSIT, Mechnovate 2.0 by ASME-VIT

Tech Content Writer

ByteVarsity | July 2020 - Aug 2020

- Researched, explored and reviewed latest tech trends
- Content-based and Web SEO techniques
- Managed cloud hosting features and reports
- General website optimisation and Cloud hosting

EDUCATIONAL HISTORY

Vellore Institute of Technology

B.tech Computer Science and Engineering | Jun 2018 - May 2022 (expected)

- CGPA 8.94/10

High School

The Indian Public School, Erode | Graduated May 2018

- 12th Grade (AISSCE/CBSE) - 96%
- 10th Grade - 10/10 CGPA
- Was school house captain for the house of Emerald - Placed 2nd overall.
- Was part of school band - 'Symphony'

NOTABLE PROJECTS

Yarn Trader App

Aug 2020 - Present

MERN Stack

Inventory Management and Business Intelligence Web App - Yarn Trading Company

- Surveyed and analysed small scale textile companies trading practices and tech requirements in Erode, TN.
- Reduces existing manual labour that goes into sampling and marketing products.
- Brings visualisations empowered business intelligence to smaller companies.

Github Issues Summariser

Aug 2020 - Present

TensorFlow

Text Summarisation using seq2seq models of GitHub issues

- Currently working on implementing a seq2seq model to summarise GitHub issue descriptions and create machine generated titles.
- Uses spotify's Annoy Package to suggest similar github issues.

Person Re-Identification

Sep 2020 - Present

TensorFlow

Person Re-Identification with CUHK03 Dataset

- Computer Vision Project to Re-identify a person moving between cameras' areas of coverage in a CCTV Network
- A Convolution Neural Network with Cross-input neighbourhood difference is used.

The Weekly Edge Application

May 2020 - July 2020
Summer Project

MERN Stack

Online Automated Newsletter Web App

- An online newsletter application that automates the complete workflow involved in publishing an edition.
- Lets writers of the THEP Club submit their work, which will be approved by the editorial head and published directly.
- Co-headed this project under taken by THEPC Tech Team

ClonALG Credit Fraud Detector

Dec 2019 - Apr 2020

Python OOPS

Detection of fraudulent online credit card transactions with Artificial Immune System

- Used CLONALG (an AIS) with KNN to build a novel hybrid ML Classifier from scratch to detect fraudulent credit card transactions.
- Algorithm adapts itself based on incoming vectors.

Modified Bankers Algorithm

July'19-Oct'19

C Programming with POSIX Multii-threading

Modified Banker's Algorithm to accommodate interrupt handling mechanism

- Modified Banker's Algorithm to impart interrupt handling from within the algorithm with multithreading and simulated its working by random interrupt generation (POSIX)

Saraswathi Mills Records App

June 2019 Summer Project

Python with ELK and TKinter

NoSQL Application for Small Scale Cotton Spinning Mill Management

- Used ELK stack (Elasticsearch and Kibana) to create a mini working application for workers and machine data in a spinning mill

Pollution Analysis

Dec 2018 - Jan 2018

Python

K-means Clustering of Public Pollution Data

- Used K-means algorithm to cluster publicly available pollution data from the central government's website (for major Indian Cities)
- Unsupervised Learning Algorithm built from scratch