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EDUCATION

MANIPAL INSTITUTE OF **TECHNOLOGY**

B.Tech. IN COMPUTER SCIENCE AND ENGINEERING

CGPA: 8.71

Graduated July 2020 | Manipal

LITTLE ROCK INDIAN SCHOOL

CLASS 12

Percentage: 95.4 Graduated March 2016

CLASS 10

CGPA: 10

Graduated March 2014

COURSEWORK

UNDERGRADUATE

Data Structures and Algorithms Operating Systems Artificial Intelligence Machine Learning Natural Language Processing Computer Vision Social Network Analysis **Optimization Techniques**

SKILLS

PROGRAMMING

Languages

C++ • C • Python • JavaScript Frameworks:

Diango • React • PyTorch

EXTRA CURRICULAR

- Played badminton at the state level
- Proficient tabla artist

EXPERIENCE

SAMSUNG RESEARCH INSTITUTE BANGALORE | INTERN

- Designed a novel deep learning pipeline to separate environment sounds from human speech as part of the OnDevice AI team.
- Built audio classification model for environment sound classification with over 97% accuracy for the use case labels.
- Worked with PyTorch for source separation and Tensorflow for audio classification tasks.

HEWLETT PACKARD ENTERPRISES | Summer Intern (source)

- Designed a web application in C++ that assists in gzip compression/decompression of files/folders and provides a tabulated report of the process.
- Deployed the server in a docker container. Web framework used microsoft-cpprestsdk.

INDICARE HEALTH SOLUTIONS PVT LTD | INTERN

- Worked on developing a protocol for storing decentralized medical records. Built database functionalities in Go and implemented files processing on IPFS.
- Gained exposure to the versatile and challenging work environment of a startup.

PROJECTS

HAND TRACKING AND OBJECT INTERACTION

- Epilepsy is a neurological disorder that can cause seizures and lack of hand eye co-ordination. Worked with a team to implement a hand tracking model and on-screen object interaction to assist in improvement of hand eye coordination for epilepsy patients.
- Built with Python and Darknet framework.

INSTART | (WEBSITE) (SOURCE)

- InstArt is the Instagram for art aficionados where you share inspired artworks with your peers.
- Built with Django framework, JavaScript and Bootstrap.

SECONDBRAIN | (WEBSITE) (SOURCE)

- SecondBrain is a clone of Google Keep. It is a convenient application to store and maintain notes and todos.
- Built with Django framework, JavaScript and Bootstrap.

RESPONSIBILITIES

IE-CSE MANIPAL | MANAGEMENT COMMITTEE MEMBER

 Conducted workshops and tech events to spread knowledge of Computer Science in the college. Tutored juniors in the club in domains like Algorithms. Data Structures and Competitve Programming.