ARUN SAKTHI ANAND M

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Academic Details

Year	Degree	Institute	CGPA/Marks(%)
2023	B.Tech Electrical Engineering	IIT Hyderabad	7.9
2019	XII (CBSE)	Paavai Global School	90.8%
2017	X (CBSE)	Senthil Public School	10

Scholastic Achievements

Secured All India Rank 1255 in JEE Advanced	2019
Secured All India Rank 737 in JEE Mains	2019
National Talent Search Examination (NTSE) Scholar	2017
Kishore Vaigyanik Protsahan Yojana (KVPY) Scholar with All India Rank 144	2018

Experience

Summer Intern at KPIT Technologies, Pune in which, I worked on — 2022-Summer
- QEMU Spice protocols
- Data Transfer and Data Sharing between Client and Host VMs
- Device and Media Hot-Plugin

Intern as **Code Reviewer** in CRIOT, Hyderabad — 2020-January

Projects

POSTON: A full-stack web app for Postal management using **React, Express, MongoDB** — 2022
HERMES: A chat room **Android app** exclusive to IITH students, developed using **JAVA and Firebase** — 2019
TOY CAR: Working prototype of a voice-driven toy car using python **deep-learning APIs** — 2019
- Data Augmentation using zero-padding to construct a dataset of 10⬚ samples
- Used python libraries (Keras and Tensorflow) to model the sample space
- Used Arduino to control the Motors of the Car from the text output

CALCULATOR: Built a working prototype of a calculator from scratch using **Arduino** — 2020
- Modelled and 3-D printed the case
- Wrote the code and flashed it into an Arduino UNO
- Manually fixed and soldered all the hardware connections

IoT: Built a drone (Manually wired and calibrated) that works on auto and manual pilot modes — 2020
Source Codes for my projects can be found on my GitHub: *https://github.com/ArunSakthiAnandM?tab=repositories*

Skills

C, C++, Python, Data Structure & Algorithms , MATLAB	Expert
SQL, VHDL, Verilog, Arduino IDE, QEMU Spice, Virtual Box, LaTeX, LT Spice, NG Spice	Proficient
Java, Javascript, Node, React, Express, MERN, Android Studio, Firebase, MongoDB, HTML, CSS, XML	Familiar
Comfortable and experienced working on Linux OS, Git, Github	Proficient

Relevant Courses

Computer Science: Introduction to Data Structures, Data Structures & Applications, Linear Optimization, Convex Optimization, Introduction to Computing, Python Bootcamp (Udemy)
Dev: Full-Stack crash course (Udemy), Android Dev Bootcamp (Udemy)
Data Science/ML: Random Processes, Information Sciences, Data Analytics, Data Science Analysis, Introduction to AI and ML, Machine Learning A-Z (Udemy), Deep Learning A-Z (Udemy), Data Science 2022 (Udemy)
Core: Applied Digital Logic Design, Digital System Design, Introduction to Hardware Description Languages, Microprocessors and Computer Architecture, Basic Control Theory, Control Systems, Network Theory and Synthesis

Positions of Responsibility and Extracurriculars

President, Students' Gymkhana — 2021-2022
- Led organised and coordinated all matters concerning the General Body of students.
- Handled the financial aspects of the Student Gymkhana.
- Student representative in student-related decision-making committees
- Handled the COVID Outbreak in the hostels with help from a group of student, faculty and staff volunteers.

Transport Secretary, Students' Gymkhana — 2020-2021
- Coordinated all transport-related matters concerning the General Body of Students

Represented IITH Hockey in all the Sports meets from December 2019 till date. — 2019-Present
- Captain of the IITH Hockey Team in the Inter-IIT Sports meet 2022.

To find out more about me, please refer to my GitHub Page Here: *https://arunsakthianandm.github.io/*