



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
<ul style="list-style-type: none">QEMU Spice protocolsData Transfer and Data Sharing between Client and Host VMsDevice and Media Hot-Plugin	
Intern as Code Reviewer in CRIOT, Hyderabad	2020-January

Projects	
TOY CAR: Working prototype of a voice-driven toy car using python deep-learning APIs	2019
<ul style="list-style-type: none">Data Augmentation using zero-padding to get a sample space of size 1e8Used python libraries (Keras and Tensorflow) to model the sample spaceUsed Arduino to control the Motors of the Car from the text output	
HERMES: A chat room Android app exclusive to IITH students, developed using JAVA and Firebase	2019
POSTON: A full-stack web app for Postal management using React, Express, MongoDB	2022
CALCULATOR: Built a working prototype of a calculator from scratch using Arduino	2020
<ul style="list-style-type: none">Modelled and 3-D printed the caseWrote the code and flashed it into an Arduino UNOManually 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, 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
<ul style="list-style-type: none">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 committeesHandled the COVID Outbreak in the hostels with help from a group of student, faculty and staff volunteers.	
Transport Secretary, Students' Gymkhana	2020-2021
<ul style="list-style-type: none">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
<ul style="list-style-type: none">Captain of the IITH Hockey Team in the Inter-IIT Sports meet 2022.	