


EDUCATION				
DEGREE	SPECIALIZATION	INSTITUTE	ACADEMIC-YEAR	GPA/CGPA
B.Tech	Electronics & Communication Engineering	Madanapalle Institute of Technology & Science.	2020-2024	9.18
HSC/Class XII	Physics, Chemistry & Maths	Sri Siddhartha Jr.College.	2018-2020	9.42
SSC/ Class X	—	Vivekananda Municipal High School.	2017-2018	9.7

INTERNSHIPS	
 Sakthi Auto Components Limited (SACL)	*ROLE : [DEC 2023 - MAR 2024] <ul style="list-style-type: none">At Sakthi Auto Components Limited as a Quality Engineer, improved quality inspection processes for flywheels and brake discs, which led to a reduction in defect rates over the 3-month period.At the internship also including a practicum recognition letter and salary compensation. Certificate link : SACL
Cisco [AICTE Virtual Internship Program 2023]	*ROLE : [MAR - MAY 2023] <ul style="list-style-type: none">Gained practical experience in network configuration, troubleshooting, and protocols.Completed real-world networking scenarios and projects through Cisco Networking Academy.Certified for demonstrating proficiency in foundational networking skills. Certificate link : cisco certificate
Google Data Analytics Professional Certificate Coursera	*ROLE : [DEC - 2022] <ul style="list-style-type: none">Learned data analysis using SQL, Tableau, Spreadsheets, and R.Gained skills in preparing, cleaning, analyzing, and visualizing data.Completed a project applying data analytics to solve real-world problems. Certificate link : Coursera certificate
Embedded Systems Internship Psiborg Technologies with Teachnook	*ROLE : [AUG - SEPT 2022] <ul style="list-style-type: none">Learned the basics of embedded systems and how hardware and software work together.Worked on micro-controller programming and solving real-world problems.Gained hands-on experience in designing and testing embedded solutions. Certificate link : Teachnook internship certificate

ACADEMIC PROJECTS	
TITLE : Dynamic Stability Analysis of Ultra capacitor for Renewable Energy Applications	[DEC - MAY 2024]
<p>My final-year project, "Dynamic Stability Analysis of Ultracapacitor for Renewable Energy Applications," focuses on improving microgrid stability with renewable energy sources like solar and wind. We used ultracapacitors for their fast charge/discharge capabilities and implemented a Fractional Order PID (FOPID) controller fine-tuned with Particle Swarm Optimization (PSO) to minimize frequency deviations.</p> <p>Through simulations, we demonstrated improved stability and reliability in handling load and generation fluctuations. This project gave me hands-on experience in energy storage, advanced controllers, and renewable integration, contributing to efficient and sustainable energy systems.</p>	
TITLE : Soil Moisture Monitoring System	[JUNE 2023]
<p>Developed an IoT-Based Soil Moisture Monitoring System using an ESP32 microcontroller, a soil moisture sensor, and an OLED display. The system measures and displays real-time soil moisture levels both numerically on the OLED display and graphically on the Adafruit dashboard. Played a key role in circuit design and team presentation, optimizing the system with high-accuracy preprocessing techniques for reliable data, tailored for agricultural and gardening applications.</p>	

TECHNICAL SKILLS	
Electives & OS	C,Vlsi,Python ,Matlab, Linux, Windows.
Technical Proficiency	Python, JavaScript, HTML, CSS, SQL.
Tools	AutoCad, Jupiter Notebook, Matlab, VMware, PCB design.

SCHOLARSHIPS	
Secured Honors - Received merit Scholarship from the central department: AICTE Pragati Scholarship throughout the 4-year graduation program.	

CERTIFICATIONS	
These are the certifications & Internships, I have completed from various e-learning platforms: <div> Certifications_shamshad mutala </div>	

PERSONAL DETAILS	
Father’s Name : Masthan Valli.M Mother’s Name : Anusha.M Date Of Birth : 07-08-2002	

BASIC INFORMATION		
Mobile Number : 7780609933	Address: #75, Flat 303, DVL APARTMENT, SRI SAI GARDEN LYT, ANANDPURA, TC PALYAMAIN ROAD, KR PURAM, BANGALORE- 36, Bangalore, Bangalore, KARNATAKA- 560036	Email: 20691A04I6@mits.ac.in shamshadmutala@gmail.com

DECLARATION	
I Hereby declare that the above-furnished information is true to the best of my knowledge. <div>SHAMSHAD MUTALA</div>	