

Mynampati Aarthi

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Profile summary

A passionate Electronics and Communication Engineering student with a good foundation in programming, front-end development, and SQL. Experienced in working on various projects, showcasing expertise in building responsive web interfaces and efficient database management. Highly motivated, detail-oriented, and eager to contribute to innovative projects in a collaborative environment..

Education

Bhojreddy engineering college for women , BS in electronics and communication	June 2021 – July 2025
• GPA: 7.5/10	
Sri Chaintanya Junior College	June 2019 – March 2021
• GPA: 936/1000	
Naagarjuna Group Of Schools	June 2018 – March 2019
• GPA: 10.0/10.0	

Publications

Design Of Power And Area Efficient Approximate Multipliers	Jan 2024
Published a research paper on IJESR e-journal	
https://ijesr.org.2025.v15.i01s.pp347-356	

Projects

Design Of Power And Area Efficient Approximate Multipliers	March 2025
• Developed an approximate Dadda multiplier that optimizes power, area, and delay for error-resilient applications.	
• Implemented approximation techniques in partial product accumulation, altering probability terms to balance accuracy and efficiency.	
• Designed two variants of 8-bit multipliers, achieving significant power and area savings compared to exact Dadda multipliers.	
• Evaluated performance using an image processing application, demonstrating practical benefits.	
• Technologies Used: Verilog, Xilinx, Vivado	

RIDE BUDDY – A Carpooling Website	Jan 2025
• Developed a user-friendly platform to connect drivers and workers who are travelling in the same direction.	
• Designed an intuitive interface using HTML, CSS, and JavaScript for easy navigation and interaction.	
• Technologies Used: HTML, CSS, JavaScript, Python, MySQL.	

Technologies

Languages: C, Python, SQL, Verilog

Technologies: HTML,CSS