

# Tholeti Tarun Kumar

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## CAREER OBJECTIVE

I'm an Electronics and Communication Engineering graduate with skills in Java, SQL, HTML, CSS, and Angular. I enjoy solving problems and coming up with creative ideas. I work well with others and love learning new things, especially in tech-driven environments where I can grow and make a difference.

## EDUCATION

### Vishnu Institute of Technology

*Bachelor of Technology in ECE — CGPA: 9.04*

Bhimavaram, AP

*Aug 2020 – Jun 2024*

### Aditya Junior College

*MPC — CGPA: 9.94*

Palakollu, AP

*Jun 2018 – Mar 2020*

### Montessoris School

*X — GPA: 9.5*

Palakollu, AP

*Mar – 2018*

## PROJECTS

### Library Management System | *Spring Boot, Angular*

May 2025 – Jul 2025

- Developed a full-stack Library Management System enabling book cataloging, user registration, and borrowing/return features.
- Implemented RESTful APIs with Spring Boot for efficient book data management and user transactions.
- Designed a responsive and intuitive front-end with Angular to support real-time search, borrowing history, and admin controls.
- Integrated user authentication, fine calculation, and dynamic inventory updates for seamless library operations.

### High-Speed FIR Filter Design | *VHDL, MATLAB*

Oct 2023 – Apr 2024

- Designed a high-speed FIR filter using Wallace Tree Adder and Vedic Multiplier for optimized FPGA implementation.
- Generated filter coefficients using MATLAB and simulated the architecture in VHDL to ensure functional accuracy.
- Achieved reduced usage of LUTs, slice registers, and DSP blocks while improving processing speed and energy efficiency.
- Project suited for real-time applications including audio and image processing, and digital communication systems.

## TECHNICAL SKILLS

**Languages:** SQL, java, python, HTML/CSS, JavaScript

**Tools:** Eclipse IDE, VS Code, Postman, Spring Initializr

**Frameworks:** Angular, SpringBoot

## CERTIFICATIONS

**CISCO:** Python

**Udemy:** SQL

**AICTE:** Robotic Process Automation

## ACHIEVEMENTS

Won award in Technical Quiz Conducted by Our College  
Organized events in TechFest - Circuit Debugging

I hereby declare that the information provided is accurate and complete to the best of my knowledge.

**Place:** Palakollu, Andhra Pradesh