

# ABHIRAMI R IYER

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## SUMMARY

Aspiring software developer eager to excel in project development, coding, and innovative problem-solving. Driven to leverage programming skills in building efficient and scalable solutions for real-world challenges. Seeking an opportunity to contribute to impactful projects while enhancing my technical expertise in a dynamic, growth-oriented environment.

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## EDUCATION

- **BTech in computer science and engineering**  
Indian Institute of technology, Palakkad  
CGPA : 8.47  
2022 - 2026
  - **Intermediate :**  
Hill Blooms School, CBSE, Wayanad  
96%  
2021
  - **Higher secondary :**  
St. Patrick's Higher Secondary School, Wayanad  
ICSE, 95%  
2019
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## PROJECTS

- **Solar tracking charger using Arduino**
    - Description: Designed and implemented a solar charger with an automated sun tracking using Arduino microcontroller.
    - Technologies used: Arduino, photo-resistors, servo 69 mini tilt pan with servos
    - Key Contributions:
      - Developed the algorithm for sun tracking using photo-resistors to measure light intensity and adjust the solar panel angle.
      - Integrated motor control to automatically reposition the solar panel for optimal energy capture.
    - Outcome:
      - Achieved more efficient energy capture compared to fixed solar panel systems, demonstrating improved charging performance.
  - **ERP System of the institute**
    - Description : Designed some of the UI components for the Institute's ERP System using the frontend framework Angular and bootstrap.
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## POSITION OF RESPONSIBILITIES

- **Literary arts deputy secretary(2024-25)**
    - Organising and managing literary events.
  - **Core team member - digital arts club (Voxel)**
    - Organise and manage digital arts events
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## TECHNICAL SKILLS

- **Programming Languages :**
    - C ,C++, Python, Typescript, MySql, HTML, CSS, frontend framework : Angular v17, bootstrap
  - **Coursework :**
    - DSA
    - Data and Analysis of Algorithms
    - Theory of Computation
    - Introduction to Artificial Intelligence
    - Operating Systems
    - Introduction to Systems Programming
    - Computer Architecture
    - Cloud Computing
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## EXTRA-CURRICULAR ACTIVITIES

- **Member of coding club (Yacc)**
  - Active participation in intra-college coding competitions and bootcamps
- **Inter IIT-cultural participation (literary events)**