

# Tawsai Rasool

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## Objective

Computer Science graduate with strong analytical thinking and problem-solving skills. Interested in research-oriented and remote roles involving evaluation, analysis, and structured reasoning. Seeking opportunities where careful review of outputs, documentation, and independent work are valued.

## Education

### Arya College Of Engineering And Research Centre

Aug 2018 – June 2022

B.Tech in Computer Science

- CGPA: 8.89/10.0
- **Coursework:** Data Structures, Databases, Operating Systems, and Computer Networks
- Built a strong foundation in programming, logical reasoning, and system understanding

## Technical Skills

**Languages:** C++, Python

**Database:** MySQL

**Web & Backend:** HTML, CSS, JavaScript (basic), Django (basic), Node.js, Express.js

**Tools:** Git, VS Code

**Strengths:** Analytical reasoning, structured problem-solving, technical documentation, independent work

## Projects

### Vehicle Parking Management System

[Github ↗](#)

- Developed a web-based system to manage structured records using Django and MySQL
- Focused on data organization, validation, and retrieval efficiency
- **Tech:** Python, Django, MySQL

### Book Recommendation Web Application

[Github ↗](#)

- Worked with structured data from external APIs for a recommendation-based system
- Analyzed response relevance and performance for different query inputs
- **Tech:** JavaScript, Node.js, Express.js, MySQL

## Publications

### Facial Emotion Detection Using Artificial Intelligence

May 2022

Co-author; worked on data preparation, output analysis, and documentation

[IEEE Xplore Link ↗](#)

## Achievements

- Top 3% on [Code360 ↗](#) for problem-solving consistency
- Solved 400+ problems on [LeetCode ↗](#) (Top 8% globally)
- Solved 500+ problems on [GeeksforGeeks ↗](#); Rank 1 in institute

## Experience

### Assistant Teacher, Sidrah International Convent School

2024 – Present

- Designed structured lesson plans and evaluated written and verbal responses
- Identified reasoning gaps and provided clear, actionable feedback
- Strengthened communication and documentation skills