

# SURAJ KUMAR

Vadlamudi, Andhra Pradesh

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## EDUCATION

Degree	Institution	Year	Result
B.Tech - CSE	Vignan's Foundation for Science, Technology & Research, Andhra Pradesh	2021 - 2025	7.7 CGPA
12th - BSEB	+2-Mathura High School, Sitamarhi	2018 - 2020	88.6 %
10th - BSEB	+2-Mathura High School, Sitamarhi	2017 - 2018	76.2 %

## COURSEWORK / SKILLS

- Data Structure and Algorithms (DSA)
- Database Management System (DBMS)
- Operating Systems
- Web-development
- Oops Concepts

## EXPERIENCE

### Intern at Techno Hacks | Full Stack Developer

January 2024 - February 2024

- Developed a WhatsApp group application.
- Implemented features for posting sports and events. Designed a user-friendly interface.
- Utilized MongoDB for data storage. Implemented user authentication and authorization.

## PROJECTS

### CPU Scheduler Simulator | Java, GUI

2023

- Developed a CPU scheduler simulator to simulate various CPU scheduling algorithms.
- Implemented algorithms such as FCFS, SJF, Round Robin, and Priority Scheduling.
- Designed an intuitive graphical user interface (GUI) using Java Swing for visualization.

### Smart Surveillance System | Deep Learning, Python

2024

- Developed a smart surveillance system using deep learning and Python to detect and classify objects in real-time.
- Implemented object detection and tracking algorithms using YOLO (You Only Look Once) for efficient processing.
- Integrated the system with CCTV cameras and IoT devices for live monitoring and alerts.
- Designed a user-friendly interface for viewing surveillance footage and managing alerts.

### E-Commerce Websites | MERN Stack

2024

- Developed e-commerce websites using the MERN (MongoDB, Express.js, React, Node.js) stack.
- Designed responsive front-end interfaces with React.
- Integrated MongoDB for efficient data management.
- Utilized Express.js to create RESTful APIs.

## TECHNICAL SKILLS

Languages: Java, C, JavaScript, SQL

Technologies/Frameworks: HTML5, CSS3, MySQL, MongoDB, Express, React, NodeJS, Bootstrap

Developer Tools: VS Code, Eclipse, Jupyter

## CODING PLATFORMS

- Leetcode: 1300+ Rating, Solved 150+ Problems
- GeeksforGeeks and CodingNinjas: Solved 500+ Problems
- CodeChef: Max Rating 1550

## **CERTIFICATIONS**

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- Mastering Data Structure and Algorithms - Coding Blocks
- Java - Udemy
- Dynamic Programming - Udemy
- Graph data structure for CP - Udemy

## **EXTRACURRICULAR**

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- SAC Member from 2021 to present.
- Participated in organizing various cultural and technical events on campus.
- Secretary in Mahotsav