

# Suraj Maal

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## EDUCATION

### Keshav Memorial Institute of Technology

B.Tech in Computer Science and Engineering

Hyderabad, India

Dec 2021 – Apr 2025

- CGPA: 7.5/10
- Relevant Coursework: Operating Systems, Algorithms, Databases, Software Engineering

## EXPERIENCE

### Engineering Intern

Altiushub (Startup)

Dec 2024 – Mar 2025

Hyderabad, India

- Developed and automated front-end workflows, improving website reliability for pharmaceutical clients.
- Implemented GS1 compliance features, ensuring industry-standard regulatory requirements.
- Collaborated with cross-functional teams (DevOps, front-end, and back-end) to deliver scalable solutions.

### Project School Initiative Intern

Keshav Memorial Institute of Technology

Sept 2023 – Feb 2024

Hyderabad, India

- Developed back-end logic for Drone Swarm using Python and DroneKit, enabling autonomous flight.
- Integrated real-time communication between drone hardware and software for seamless navigation.

## PROJECTS

### React Chess Application (2024)

- Built a fully functional chess application using React.js, allowing users to dynamically interact with the board and play games.
- Implemented drag-and-drop functionality for chess rules and integrated game logic for move validation and endgame conditions.
- Deployed the application using GitHub Pages.
- GitHub:** github.com/suraj57n/chess | **Live Demo:** chess-b085d.firebaseio.com

### Drone Swarm (2023)

- Designed and implemented a drone swarm project using Arduino Uno, Python, and Drone-kit library to coordinate multiple drones.
- Led the design of a control system for real-time drone coordination and implemented hardware communication for autonomous flight.
- Integrated React.js for monitoring and command issuing.

### Pokedex Application (2024)

- Developed a Pokedex application using React.js to display and search for Pokémon details.
- Designed an intuitive UI for browsing and searching Pokémon by name or type.
- Fetches real-time data using a public Pokémon API.
- Implemented responsive design to ensure compatibility across devices.

## TECHNICAL SKILLS

**Languages:** Java, Python, JavaScript, SQL

**Frameworks/Tools:** React.js, TypeScript, RxJS, Git, Playwright, DroneKit, Material UI