

# Samir Kumar Swain

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## Professional Summary

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### Full-Stack Web Developer | MERN Stack Specialist

Computer Science student with expertise in React.js, Node.js, Express.js, and MongoDB. Proficient in building responsive web applications with secure authentication, RESTful APIs, and cloud integration. Strong problem-solving skills with focus on clean code architecture and modern development practices.

## Technical Skills

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**Programming Languages:** JavaScript (ES6+), Python, HTML5, CSS3, SQL

**Frontend Technologies:** React.js, Monaco Editor, Tailwind CSS, DaisyUI, Responsive Design

**Backend Technologies:** Node.js, Express.js, Judge0 API, JWT Authentication, RESTful APIs

**Databases & Tools:** PostgreSQL, MongoDB, Docker, Git, GitHub, Postman, Cloudinary

## Education

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### Centurion University of Technology and Management

Sept 2022 – Cont.

- Bachelor of Technology in Computer Science Engineering
- CGPA: 8.3 / 10.0

### Christ College

Aug 2019 – May 2021

- Higher Secondary Education in Science (Physics, Chemistry, Mathematics)
- CGPA: 7.5 / 10.0

### Modern Public School

March 2018 – April 2019

- Secondary School Certificate (10th Grade)
- CGPA: 7.3 / 10.0

## Projects

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### LeetLab – Interactive Coding Practice & Online Judge Platform

github.com

- Built local coding application using React.js, Monaco Editor, Node.js, Express.js, and PostgreSQL with Judge0 API integration for multi-language code compilation supporting Python, Java, C++ , and JavaScript.
- Implemented subscription model for premium MNC interview questions with JWT authentication, bcrypt hashing, and Docker containerization for development environment consistency.
- Developed real-time code editor with syntax highlighting, error handling, and execution results display for technical interview preparation.

### Taskyst – Task Management System

github.com

- Built task management application using React.js, Node.js, Express.js, and MongoDB with JWT authentication and file upload functionality.
- Developed responsive dashboard with task tracking, priority categorization, and automated email notifications for team collaboration.

## Additional Information

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- **Development Practices:** Git workflow, collaborative development, code review, and software testing
- **Problem Solving:** Strong analytical and debugging skills with performance optimization experience