

SASWAT SAI ROUL

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SUMMARY

Self-motivated and hardworking fresher seeking for an opportunity to work in a challenging environment to prove my skills and utilize my knowledge & intelligence in the growth of the organization.

EDUCATION

Biju Patnaik University of Technology, GCE Keonjhar

2021 - 2025

B.Tech , Computer Science & Engineering

8.2/10 CGPA

Delhi Public School, Dhenkanal

2019 - 2021

Intermediate - PCM IT

90.4 %

Delhi Public School, Dhenkanal

2019 - 2021

Matriculation

87.8%

TECHNICAL SKILLS

- **Languages:** Java, Python, JavaScript, C#
- **Backend:** Node.js,
- **Frontend:** React, TailwindCSS, HTML, CSS, Bootstrap
- **Clouds & Databases:** MySQL, NoSql, MongoDB
- **Developer Tools:** Postman, VS Code, GitHub, Visual Studio 2015

PROJECTS

AGROSAVANT A CROP RECOMMENDATION SYSTEM- MINOR PROJECT

- An AI-powered application designed to revolutionize agriculture by providing intelligent insights and recommendations.
- The app leverages machine learning to analyze soil, weather, and crop data, offering optimized solutions for crop selection, pest control, irrigation management, and yield prediction to enhance sustainable farming practices.

CLIENT-SERVER ARCHITECTURE

- The project involved the development and implementation of a sophisticated client-server architecture designed to monitor and display real-time missile trajectory data.
- Real-time visualization of missile trajectories is essential for military defense systems. Traditional methods often suffer from delays and inaccuracies, which can compromise decision-making.
- By implementing a robust client server architecture, this project seeks to address these challenges, providing a scalable and reliable solution. **C#, Udp,Tcp.**

STUDENT MANAGEMENT SYSTEM

- The Student Management System successfully streamlines the management of student records, reducing the administrative burden on educational institutions.
- The project demonstrates the effective use of Python and related technologies to create a functional and user-friendly application. **Python, Sql**

PORTFOLIO

- Implemented smooth animations and transitions , enhancing user engagement.
- Created a responsive layout to ensure optimal viewing on various devices.
- Optimized website performance by implementing lazy loading and code splitting. Integrated a dynamic gallery section, allowing visitors to easily navigate through different projects and categories. **Html, Css, Js,Sql**

[Live link](#)

WORK EXPERIENCE / TRAINING PROGRAM

DRDO, ITR | STUDENT TRAINEE

JUNE 2024 - JULY 2024

- Worked on Client-Server Architecture with Real-Time Trajectory Visualization.
- The project involved the development and implementation of a sophisticated client-server architecture designed to monitor and display real-time missile trajectory data.

AWARDS AND CERTIFICATIONS

- Smart India Hackathon- 1st Position in Internal Hackathon as a Team
- Cisco Networking Academy : Programming Essentials In Python
- Hackerrank: Sql(Basic) Certification
- Hackerrank: Python(Basic) Certification
- Simplilearn: Certified Information Systems Security Professional