

SAYAN MALGOPE

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SKILLS SUMMARY

- **Programming & Development:** Java, OOPs Concepts , SDLC
- **Web Technologies:** HTML, CSS, **SQL**, Web Applications
- **Databases:** SQL, **Oracle Database**, MySQL .
- **Data Structures & Algorithms:** **Arrays** , **Strings**, **Searching** , Sorting , Recursion & Backtracking Complexity Analysis .
- **Software Development:** **Design**, development, **debugging**, and troubleshooting
- **Cloud & DevOps:** **AWS**, Cloud-Based Application Deployment
- **Soft Skills:** Communication, Adaptability, Time Management

PROJECTS

DEVELOPMENT OF HETEROGENEOUS TOPOLOGY-BASED NOC WITH AI/ML-BASED ROUTING | [LINK](#)

- Designed a **novel NoC Topology** to enhance communication efficiency.
- Reduced hop count, optimizing data **transfer** and **latency**.
- Simulated the design using advanced tools for performance validation.

AI-DRIVEN TELEGRAM BOT FOR RAPID ANSWERING | [LINK](#)

- Integrated **Gemini, NVIDIA, LLaMA, DeepSeek, and ChatGPT** for diverse responses.
- Optimized response time to deliver accurate answers **within 1s seconds**.

REAL-TIME WEATHER APPLICATION | [LINK](#)

- Built a weather app using HTML, CSS, and JavaScript.
- **Integrated APIs** for real-time weather data and improved prediction accuracy.
- Designed a responsive UI for seamless user experience.

SMART COLLEGE MANAGEMENT SYSTEM | [LINK](#)

- Developed a dynamic system using HTML, CSS, JavaScript, PHP, and SQL.
- Implemented secure login with role-based access control.
- Optimized workflows, improving student record management **efficiency by 50%**.

EDUCATION

B.Tech in Computer Science & Engineering

Bengal Institute of Technology, WB | GPA: 7.36 | Exp. Grad.: May 2025

Diploma in Computer Science & Technology

K.G. Engineering Institute, WB | CGPA: 7.9 | Grad.: July 2022

Secondary Education

Raidihi Daldali High School, WB | Percentage: 68% | Year: 2018-2019

INTERNSHIPS

Data Analytics Intern | [LINK](#)

IBM SkillsBuild - CSRBOX (Remote) | Nov 2023 – Dec 2023

- Conducted data analysis to derive insights for business decisions.
- Developed data visualizations using advanced tools for clear reporting.
- Automated data processing workflows to enhance efficiency.

Web Development Intern | [LINK](#)

The Devisers (Remote) | Jul 2023 – Aug 2023

- Designed and developed responsive web applications.
- Improved UI/UX and optimized website performance.
- Documented development processes for team knowledge sharing.

CERTIFICATES

- Foundations of Data Science
- JavaScript Bootcamp
- Python Bootcamp

Google
Lets Upgrade
Lets Upgrade

[LINK](#)
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