Jaysmith Sarthak

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Profile Summary

○ Pursuing Computer Science in Silicon Institute of Technology.

○ Now working on a Project using Machine Learning at CSIR-IMMT.

○ Worked on Full Stack Development.

○ Preferred programming languages are Python, C, C++.

○ Good knowledge of Data Structure, Database Management System, Operating System.

Education

2023	B.Tech Hons.(CSE)	Silicon Institute of Technology, Bhubaneswar	8.50/10
2019	12th Grade CHSE, Odisha	Jupiter Higher Secondary School, Bhubaneswar	78%
2017	10th Grade BSE,Odisha	Saraswati Shishu Vidya Mandir, Banki, Cuttack	86%

Experience

CSIR-IMMT　　　　*Internship*　　　　　　　　　　　　　　　　[May 2022]
○ Battery Health Monitoring System using Machine Learning Algorithms.
○ Predicting the SOC and SOH using data-driven Machine Learning.

Syllogistek Systems Private Limited　　　*Internship*　　　　[May 2021-June 2021]
○ Website design using CSS , HTML, PhP and JavaScript.
○ Simultaneously created and maintained websites in SQL Server.

C++ language Silicon Institute of Technology　　*Internship*　　[May 2020-June 2020]
○ Designed a program based monthly interest valuation of a bank account .
○ Simulated and worked on a project using C++.

Technical Skills

○ **Front-end languages** - HTML, CSS, JavaScript

○ **Front-end frameworks** - Bootstrap

○ **Programming Language** - Python, C++, C

○ **Database Technologies** - MySQL

Projects

Battery Health Monitoring System using Machine Learning　　　　[May 2022]
○ Predicting the SOC and SOH using data-driven Machine Learning.
○ Factually Measuring and trying to enhance the battery life span and health.

Air Quality Index Prediction using Machine Learning　　　　　[May 2022]
○ The model will be capable for successfully predicting the air quality index of a total country or any state or any bounded region provided with the data of pollutant concentration.
○ KNN-Regression is proposed to develop the project.

E-Commerce Web Portal   *SIT, BBSR*   [2022]
- Customizable Web Portal.
- User can add the preferable content according to the latest news.

Stock Market Price Prediction using Machine Learning   [Dec 2021]
- It helps to discover the future value of company stock and other financial assets traded on an exchanges.
- Multiple Linear Regression is proposed to develop the project.

Blog Template Website   *SIT, BBSR*   [2021]
- Developed a blog template based on full stack.
- A blog template consisting many categories like books,entertainment,technologies and many.

Student Management System using C++   *SIT, BBSR*   [2020]
- Stores the records of students and teacher data in database.
- Perform operations like insert, update and delete data for a specific user.

Achievements and Extracurricular Activities

- Accredited student of Computer Society of India.
- Certificate of achievement in Artificial Intelligence by Accenture.
- Solutions Architect Virtual Experience Program on AWS by Forage.
- Attended tech curriculum for AI and Machine Learning on Python basis by WhiteHat Jr.
- My hobbies include gaming, swimming, playing cricket, adventures trekking.