

SASWAT SAMAL

(+91) 8637247879 | [Website](#) | 1941012227.b.saswatsamal@gmail.com | [LinkedIn](#) | [GitHub](#)



Education

Institute of Technical Education & Research, SOA University

Bachelor of Technology in Computer Science | 75.14 % up to 4th semester

Bhubaneswar, India

Aug 2019 – June 2023

Kendriya Vidyalaya No.1

Higher Secondary Education (+2, CBSE) | 80% aggregate

Bhubaneswar, India

Aug 2019 – June 2023

Kendriya Vidyalaya No.1

Secondary Education (10th, CBSE) | 95% aggregate

Bhubaneswar, India

Aug 2017 – June 2019

Internship Experience

Machine Learning Intern, Eduvance

May 2020 – June 2020

- Gained insight into Software development and working with data.
- Worked with different data visualization techniques & machine learning techniques in data analysis.
- Built a machine learning project using different machine learning algorithms (regression, XG-boost).
- Explored IBM Watson in IBM cloud and integrated the project.

Projects

- **CoGate: Mask Detection & Crowd Control using TFJs & Arduino**, A smart based on mask & temperature detection. Trained in using Transfer Learning and implemented using TensorFlowJs with Arduino.
- **Task Manager**, A dashboard where the task is provided by the admin for the users to complete. Built using HTML, CSS and Django.
- **markView**, is an online Markdown Previewer where you can see the preview of your markdown side by side.
- **Mo-Tika**, A website to Check Covid-19 vaccine availability in Khorda District, Odisha.
- **onEditor**, online code editor, more than one language is supported. Built using HTML, CSS and JS. API used: Judge0.
- **Coradicator**, A Smart Robot built with UV-C lights to detect and eradicate Covid-19 Virus-infected spaces.
- **Hexi**, A smart multicolour bulb built using NodeMCU and IoT. Controlled using a phone.

Publication

- Face Mask Detection Using TensorFlow Js and Arduino

Certifications

- **TensorFlow Developer Specialization**
DeepLearning.AI
- **Web Application Technologies & Django**
University of Michigan
- **Introduction to Machine Learning**
Duke University
- **Version Control with Git**
Atlassian
- **The Complete Web Developer Course**
Udemy
- **Guide to Arduino**
Udemy

Achievements

- First Overall at "New Hack? Who is this" hackathon by Major League Hacking
- 2x Best Hardware Hack at Major League Hacking's Hackathon
- Winner (Sustainability) at Hack the World
- 3rd Place Overall at Flare Hacks 2020
- Top 10 in India at Restart India Hackathon
- Finalists in Sand Rover at Khsitij 2020, IIT Kharagpur
- Runner Up in Tech Expo at IIT Bhubaneswar

Technical Skills

- Languages – Java, Python, C, Arduino (C++), HTML, CSS & JS
- Technologies – Machine Learning, Git, Arduino, Web, Django, OpenCV, Heroku, Meta SparkAR

Technical Workshops Taken

- Hosted 7 days of Web Development & 7 days of Python development
- The organizer of ITER's first online hackathon, Summer Hacks
- The organizer of RealityHack in association with SparkAR and ReSkilll
- Took workshops on Git & GitHub, Open Source and Hacktoberfest
- Took workshop on Internet of Things
- The organizer of ArduTalk 1.0 and 2.0 (Arduino Day Celebration)
- Took workshop on Arduino Development

Positions of Responsibility

- | | |
|---|---|
| • Leader of Hack Club ITER | • Campus Ambassador of AngelHack |
| • President & Developer at S'O'A FabLab | • Community Member of TFJs SIG |
| • Web Developer at ITER Robotics Club | • Graphic Designer at Odias in ML Community |
| • Campus Ambassador of SparkAR | |
