Saswat Samal

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Education

Institute of Technical Education & Research, SOA University — Bhubaneswar, India
Bachelor of Technology in Computer Science — Aug 2019 – June 2023
Relevant Coursework: Data Structure and Algorithms, Algorithm, Communication
Grade Point: 7.91 up to 4th Sem

Kendriya Vidyalaya No.1 — Bhubaneswar, India
Higher Secondary Education (+2, CBSE) — Aug 2017 – Jun 2019
Relevant Coursework: Physics, Chemistry, Mathematics, Bio-Technology, English
Percentage: 80%

Internship Experience

Machine Learning Intern, Eduvance — May 2020 – June 2020
Data Analysis with Pandas Dataframe, Data Visualization Techniques, Machine Learning techniques with Python Scikit-learn package and worked with IBM Watson on IBM Cloud.

Achievements

- First Overall at "New Hack? Who is this" hackathon by Major League Hacking [Link]
- 2x Best Hardware Hack at Major League Hacking's Hackathon [Link-1] [Link-2]
- Winner (Sustainability) at Hack the World [Link]
- 3rd Place Overall at Flare Hacks 2020 [Link]
- 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

Certifications

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

Projects

- **CoGate: Mask Detection & Crowd Control using TFJs & Arduino**, A smart AI-based gate that opens if the person will be wearing the mask with a sanitizing pathway based on liquid sanitizing for humans and UV sanitization for electronic gadgets. [Link] [GitHub]
- **Task Manager**, A dashboard where the task is provided by the admin for the users to complete. Built using HTML, CSS and Django. [Link] [GitHub]
- **Mo-Tika**, A website to check vaccine availability at Khorda District, Odisha. [Link] [GitHub]
- **markView**, is an online Markdown Previewer where you can see the preview of your markdown side by side. [Link] [GitHub]
- **onEditor,** online code editor. Built using HTML, CSS and JS. API used: Judge0. [Link] [GitHub]
- **Coradicator**, A smart robot that is built with UV-C lights to eradicate the coronavirus laying around. [Link] [GitHub]
- **Hexi**, A smart multicolour bulb built using NodeMCU and IoT.

Others

- Published a paper on Face Mask Detection Using Tensor Flow JS. and Arduino [Link]
- Leader of Hack Club ITER, Attendee at GitHub Field Day 2021, Community Member of TensorflowJS SIG, SparkAR CA, AngelHack CA, President S'O'A FabLab, Tech Head at ITER Robotics Club