Saswata Som

B.Tech – Mining Engineering - IIT, Dhanbad

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EXPERIENCE

Internship at CUSMAT (Ongoing)
VR/AR INTERN

Developing Mobile applications based on Mixed reality using Unity3D game engine

PROJECTS

Epileptic Seizures Alarming System And Glove-
Team Project - 2020

● Built an epileptic seizures alarming system glove for caretakers in time of need.
● Integrated the device with an Android App
● Used EMG and Accelerometer data, EMG sensor, Accelerometer sensor, ESP8266 to collect data for the activity
● Used Tensorflow.Keras for predicting about the activity of seizures.
Source Code
Demo

Try First — *A Virtual Try-On System*

Team Project Sep 2019- July 2020
● Created a Virtual Try-On System that allows users to try on apparels online.
● Used OpenPose library to preprocess images
● Used Generative Adversarial Networks to warp apparels and fit them according to the posture of the user's image
● Deployed model as web application built using Flask
Source Code
Demo

COMPETITIVE PROGRAMMING

- **Codechef** – Max. Rating 1529
- **Hackerrank** – 5 stars badge in Problem Solving
- **Codeforces** – Participated in 25+ contests
- **Geeksforgeeks** – Solved 120+ problems
- Solved 300+ problems across all platforms

EDUCATION

Indian Institute of Technology (ISM),
Dhanbad —*B.Tech Mining Engineering*
JULY 2018 - MAY 2022 **CGPA – 8.16**

Hem Sheela Model School, Durgapur, WB
12th - APRIL 2017 - APRIL 2018 - **93.4%**
10th - APRIL 2015 - APRIL 2016 - **10 CGPA**

SKILLS

- **Strong :** C++, Unity, Unix, AR
- **Intermediate :** Python, Burpsuite, SparkAR
- **Beginner :** Flask, HTML, CSS

ACHIEVEMENTS

- **Facebook Augmented Reality Program Scholar** (**Top50** among 10,000 registered) - 2020
- **InterIIT 2019** (**7th** among all IITs in Capture the Flag) - IIT Roorkee
- **Hack-A-BIT Hackathon** (**9th** among 500+ participating teams) - BITS Mesra
- **Smart India Hackathon** (Internal Hackathon, 1st Rank) -2020

POSITIONS OF RESPONSIBILITY

- **Coordinator at Kartavya, NGO**
Teaching Computer Science and Mathematics to underprivileged students

- **Organiser, KHANAN 2019**

Organised and coordinated Robotica, Obstacle Racing Course for bots

EXTRACURRICULARS

- **Information Security Team Member** CYBER LABS, Official Cyber Society of IIT(ISM) Dhanbad
- **CADET, National Cadet Corps**
- **Literary and Debate Club Member**