# DEVANSH SINGH

Software Developer

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## Education

**Abes Institue of Technology**                                                          Nov, 2020 – Aug 2024
*Bachelor of Technology in Computer Science*                                        *Ghaziabad,Uttar Pradesh*

## Relevant Coursework

- Data Structures
- Software Engineering
- Algorithms Analysis
- Database Management
- Object Oriented Programming
- Operating System
- Computer Architecture

## Experience

**Nvidia GRIL**                                                                          OCT 2022 – FEB 2023
*Machine Learning Trainee*                                                                *Ghaziabad ,U.P*

- Developed a product where it detects safety helmets and jackets of workers and employee at a construction site for there safety and generates an alert email with the captured images of the violation to the supervisor.
- Incorporated scripts using Python and Machine Learning libraries ,Where we used Pre-trained Models of YOLO.v7 of Object Detection
- Here i worked on various machine learning libraries and algorithms
- Explored how to implement machine learning algorithm with my front end , and create front-end for machine learning projects

**ABESIT,GHAZIABAD**                                                                 JULY 2023 – August 2024
*Front End Developer Intern*                                                             *Ghaziabad,U.P*

- Assisted in development of the front end of a Website and created responsive landing pages for websites
- Worked on React to develop front end and responsive website where i learned to use material UI libraries and BootStrap5

- Using these skills learned as an intern i developed an portfolio using basic React, Html , JavaScript and Vanilla CSS
- Utilized API's for the hassle free user request and response.

## Projects

**Paryatan Parv: Empowering travelling for Disabled people**  | *Html,CSS,JavaScript,ReactJs*       November 2023

- Developed an tourism website for the disabled people who want to travel and explore.
- where we developed the website using rectJs,Html,CSS and Material Ui libraries to create responsive front-end
- Paryatan parv aims to work as a web portal which includes everything starting from searching sites to bookings and overall receipt along with SARTHI(local assistants ) .
- It will ensure that everyone regardless of their physical disabilities can embark an unforgettable journey with confidence and ease.

**Polyp Detection using U-Net Neural Network Based Algorithm** | *Python, Machine learning, Juyptr Notebook***In Process**

- Created an Algorithm which detects the cancer in GI tract using machine learning algorithm
- where we used U-net model to detect polyps in GI-tract and mark the area of polyp
- We took standard dataset to train our model as well as some real-time data , where the generated output consists of the size of the polyps and chances of it becoming a cancer in our body

**Object Detection**  | *python , Linux, Machine Learning*                                 November 2022

- We used a pre-trained model of YOLOv7 , which detects various objects
- used Python Scripts and Machine learning techniques to modify it according to our need .
- Took a raw data which was collected by us , and we labeled those data using a application known as roboflow defined certain classes . segregated train and test samples, for that and trained our model.

## Technical Skills

**Languages**: C/C++, HTML/CSS, JavaScript, SQL
**Developer Tools**: VS Code, Eclipse,Jupytr Notebook
**Technologies/Frameworks**: Linux, ReactJs, GitHub

## Leadership / Extracurricular

- Participant In SIH 2023
- Coordinated college fest
- Certificate in C++, Python