

SUMIT KUMAR

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EXPERIENCES

Indian Institute of Technology (IIT) Guwahati

Dec 2023 - Mar 2024

Project Name: Underwater Object Detection Web-App.

- Developed a web application using the YOLOv8 model for accurate underwater object detection.
- Utilized Label-Img for dataset and make a large dataset of 3000 images and annotations files to train our model.
- Focused on creating a user-friendly interface for seamless user experience.






Build and manage an ecommerce web app

Dec 2022 - Feb 2023

Role: Build and manage webapp for an online store.

- Developed and implemented core features of the online store web application, focusing on user-friendly interfaces.
- Managed and optimized the backend database, ensuring efficient handling of user data, product inventories, and order processing.

PROJECTS

- **Object Detection Web-app:** Developed a web application for real-time object detection using machine learning algorithms and image processing techniques and implemented yolov8 model also create the database for uses. 
- **Online Annotation Tool:** Developed a web app which allow multiple user to annotate image online at a time. 
- **Whoami:** Developed a portfolio website template using Rreact-JS already uses by multiple users hosted on github. 
- **Blog Channels:** DSA Blogs and Security Writeups , It contains my methodology and explained dsa concepts. 
- **Mini Projects:** Tictactoe, Snake. Created multiple small multiple games using HTML, CSS, JS hosted on netlify. 

SKILLS

- **Languages:** C, C++, Python, JavaScript, SQL
- **Webdev:** HTML, CSS, React-Js, SQL, PWA, Bootstrap
- **Tools:** Git, Github, Netlify, Tailwind CSS, VS Code, Pycharm, Jekyll, Hugo
- **Course Works:** OS, DBMS, CN, MP, COA, DELD, DSA, OOPS, DCN, CS, DC, Maths
- **Web Pentesting:** Burpsuite, Metasploit, Gobuster, Nmap, Nikto, Netcat

EDUCATION

Sri Sant High School Bhagalpur

Secured 3rd Rank at District Level in 10th Grade(BSEB). Grade 84.4% Mar 2016 - Mar 2018

Chauhan Public School Bhagalpur

12th Board: CBSE Grade 86.2% Mar 2018 - Mar 2020

National Institute of Technology Srinagar

B.Tech in Electronics and Communication Engineering Grade 8.1(cgpa) Aug 2021 - Aug 2025

CERTIFICATIONS

- Certification in oops and DSA
- Full stack web development
- Web fundamentals
- [Advent of cyber](#)
- [Intro to cyber security](#)
- [Pre security learning](#)
- AWS Cloud Computing
- React-Js (Udemy)
- Penetration Testing

OPENSOURCE

- Contributed to simple icons: added some icons for the developers to use.
- Build a Gnome extension : created a todo app which is used by multiple user.

ADDITIONAL INFORMATION

- **Technical Skills:** Project Management, Structural Analysis, Web Pentesting, Web development, C-Programming.
- **Awards/Activities:** District Topper in 10th, Featured and awarded by Dainik Bhashka & Jagaran, Prabhat Khabar.
- **Languages:** English, Hindi. • **Hobbies:** Playing cricket, Watching movies, Reading books