

SUMIT KUMAR

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About Me

B.Tech (Class of 2025) | CGPA: 8.14 | Competitive Programmer | Software Developer | Blog Writer

A dedicated and enthusiastic student with a solid academic foundation and hands-on technical skills. Skilled in IT principles and problem-solving. Seeking to apply knowledge and technical expertise to contribute effectively.

Experience

Underwater Object Detection (Research Intern), IIT-Guwahati, India Dec 2023 – Mar 2024

- Developed a web application using the YOLOv8 model for accurate underwater object detection, achieving over 95% accuracy. Collaborated with a team of 3 to deliver a feature-rich dashboard component and create a large dataset of 5,000 images and annotations files for model training.

E-Commerce Web App (Developer), Unoji Store, Bhagalpur, India Dec 2022 – Feb 2023

- Developed and implemented core features of the online store web application, focusing on user-friendly interfaces. Managed and optimized the frontend interface and connected with the 3rd party service to manage the orders, customer databases and inventory, reducing manual effort by 40%.

Projects

ECE-2021 Community Page(Social App) [🔗 Link](#)

- Developed a responsive ece2021 community page using HTML, CSS, JavaScript, and React.js, enabling students to share their work and all social links online and can be used by multiple users.

Annotation Tool [🔗 Github](#)

- Developed a web-based annotation tool using HTML, CSS, and JS to label images for YOLOv8 format. It allows multiple users to annotate images and store the annotation file along with images on our database.

Blog Channel on DSA [🔗 Link](#)

- Author of a Blog Channel on Data Structures, Algorithms, and Development. Published over 15 articles covering topics such as algorithms, coding, and web development techniques. Engaged a community of readers by simplifying complex concepts, and enhancing understanding and application of DSA principles.

Technical Skills

Languages: C, C++, SQL, JavaScript, Python

Libraries & Frameworks: React JS, Tailwind CSS, Bootstrap, HTML, CSS

Tool & OS: VS Code, Window, Linux, Git & GitHub, Netlify

Key Courses

CS: Operating System, DBMS, CN, OOPS, Web development, Data Structures and algorithms

E&C: Micro Processor, COA, DCN, Digital Electronics, Analog Communication

Education

National Institute Of Technology, Srinagar, J&K Oct 2021 – Jul 2025

- B-tech**, Electronics & Communication Engineering | CGPA: [8.14]/10

Chauhan Public School, Bhagalpur, Bihar Apr 2020 – Mar 2021

- Intermediate** | CBSE | Grade: [86.2]%

Sri Sant High School, Bhagalpur, Bihar Apr 2018 – Mar 2019

- Matriculation** | BSEB | Grade: [84.4]% | Ranked 3rd in District

Additional Information

Achievements & Certifications: Basics of c++, Solved 500+ questions on GFG, Got 3rd district rank in 10th.

Interest & Hobbies: Playing Cricket, Watching Movies | **Languages:** Hindi, English