


AYUSH SINGHAL

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 [LinkedIn](#)

 [Github](#)

Education

C.V. Raman Global University, Bhubaneswar

2020-2024

B-Tech in Computer Science | CGPA: 9.19

Odisha, India

Park Mount Public School, Patna

2017-2019

Intermediate | 81.80 %

Bihar, India

ST. Karen's High School, Patna

2015-2017

Matriculation | 10 CGPA

Bihar, India

Research work

Scopus Indexed Journal (Decision Analytics - Elsevier)

Title - An Advanced Blockchain-based Hyperledger Fabric Solution for Tracing Fraudulent Claims in Healthcare ([Paper Link](#))

- Integrate Blockchain and Machine Learning to detect fraud in healthcare insurance companies.
- Insecure claims with enhanced safety, transparency, and efficiency in the industry by creating a tamper-proof platform.

Scopus Indexed Conference (CIPR 24 - Springer) - **Best Paper Award**

Title - Advanced Diagnostic Framework with Vision Transformer for Multi-class Skin Disease Classification

- Presented conference paper for various skin disease classification in early stage using Vision Transformer ML model.
- Also provide precautions in early stage and nearest dermatologist facilities.

Real Time Project Experience

Associate Software Engineer (Frontend Development) | Incture Technologies

February 2024 – ongoing

- Contributing to React product development by enhancing frontend functionalities and UI through team collaboration.
- Gaining hands-on experience in React, focusing on component creation, state management, and API integration for improved product performance.

[Summer Training Internship](#) | C++ , Javascript, React

June 2023 – July 2023

ONGC, Dehradun

Uttarakhand, India

- Developed a website that can automate the system to streamline the login process at ONGC.
- Implemented a multi-tiered user approval system with role-based access control, involving Site Managers, Regional Managers, and the Head.

Projects

Online Book Store | React, Tailwind CSS, Javascript

- Created an online book store with React, integrating sleek designs using Tailwind CSS.
- Ensured seamless responsiveness for optimal user experience.

Portfolio Website | Tailwind CSS, Javascript, React

- Developed a responsive multi-page portfolio website with React, styled using Tailwind CSS for a modern aesthetic.
- Ensured full responsiveness across all devices, providing an optimal user experience.

Advanced Digital Smart Traffic Management System / *OpenCV, YOLO V8, OCR, Python Libraries*

- Model uses deep learning, the system efficiently detects and prioritizes vehicles, dynamically regulating traffic flow based on this priority and offering predictive traffic analysis.
- Tracking vehicle movements by accurately detecting number plates, stored data for analysis on potential crimes.

Achievements

- Solved more than 550+ problems across platforms.
- 3 star coder at Codechef and 1720+ rating on leetcode.
- Winner in [Technical Project Hackathon](#), organised by Institution Innovation Council(IIC).
- Earned a spot in KAVACH-2023, a prestigious national-level hackathon.

Profile Links

- [Leetcode](#)
- [Geeksforgeeks](#)
- [Codechef](#)

Skills

Languages: C++, JavaScript, Python, SQL

Web Development: HTML, CSS, Tailwind CSS, JavaScript, React

Core Computation study: Data Structures and Algorithms, Object Oriented Programming, Operating Systems, Database Management System, Machine Learning