AYUSH SINGHAL   [Portfolio](#)

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Education

C.V. Raman Global University, Bhubaneswar   **2020-2024**
B-Tech in Computer Science | CGPA: 9.27   Odisha, 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](#)**)**
- Integrated 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.

Work Experience

Associate Software Engineer Intern | Incture Technologies   February 2024 – ongoing
- Developed ReactJS front-end for resource management app in a 20+ member team.
- Managed 1500+ employee profiles and allocation for 50+ projects.
- Enhanced profile management with Material UI (+30% accuracy) and collaborated with UX/backend teams (-25% turnaround time).
- Technologies used: ReactJs, Redux, Tailwind Css, MUI.

[Summer Training Internship](#)   July 2023 – August 2023
ONGC, Dehradun
- Developed a **Multi-tiered user approval system**, ensuring that user accounts could only be created by 3 levels of approval by Site Managers, Regional Managers and the Head Epinet.
- Utilized React Hook Form and YUP for efficient form development, ensuring seamless validation and error handling.
- Implemented robust communication with backend APIs, ensuring smooth data exchange and interaction with the server.

Projects

Pixel Code Editor | Reactjs, CodeMirror, Styled-components | [Demo Link](#) | [Code Link](#)
- Developed an interactive code playground in ReactJS using CodeMirror, integrating Judge0 API to support multiple programming languages.
- Implemented styled-components for flexible styling, integrated code upload/download, input/output consoles, and local storage for saving playgrounds.

CryptoCurrency Tracker | Reactjs, Material-UI | [Demo Link](#) | [Code Link](#)
- Developed a responsive cryptocurrency dashboard using React and managed state with hooks for dynamic data handling.
- Integrated Coingecko API with Axios for real-time updates on prices and historical data visualization.
- Implemented theme toggling via local storage, interactive charts for coin comparisons, and efficient watchlist management using React Router and custom components.

Achievements

- Solved more than 650+ problems across platforms.
- 3 star coder at Codechef and 1720+ rating on leetcode.
- Winner in [Technical Project Hackathon](#), organized by Institution Innovation Council(IIC).
- Earned a spot in KAVACH-2023, a prestigious national-level hackathon.
- Awarded [Certificate](#) of Achievement for team spirit and significant business improvements at Incture Technologies.

Profile Links

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

Skills

Languages: C++, JavaScript, SQL, Python

Web Technologies: HTML, Tailwind CSS, Reactjs, MongoDB
Tools: Git/Github, Postman, VS code
Course Work: OOPS, Data Structures, Operating System, Computer Networks, Databases, Machine Learning