

ARYAN

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SKILLS

Programming Language: C++, SQL, HTML, CSS, JavaScript.
Tools and Framework: VS Code, Git, GitHub, Node.js, Express.js, React.js (MERN Stack).
Core Concepts: Data Structures & Algorithm Design, Object-Oriented Programming (OOP), Operating System (OS), Database Management System (DBMS).
Databases: MySQL, MongoDB.
Fundamentals & Soft Skills: Technical communication, Teamwork and collaboration, Collaborative Software Development.

EXPERIENCE

Research Intern — IEEE Visitly Rental Platform. [\(View\)](#)

Dec 24 - Apr 25

Chandigarh University

Punjab Mohali

- Engineered and launched a rental platform utilizing the MERN stack, featuring real-time listing uploads and OpenWeatherMap API integration, which boosted user engagement by 40% within one month.
- Designed and deployed interactive map-based search, implemented secure user authentication, and enabled real-time listing updates to deliver a seamless, efficient, and user-focused platform experience.

PROJECTS

ClimaVision 360 – Real-time global weather visibility. [\(Live\)](#) [\(GitHub\)](#)

Tech Stack: React, Tailwind CSS, react-globe.gl, react-router, Open WeatherMap, OpenCage, USGS APIs.

- Built a fully responsive web platform featuring real-time weather updates, a 3D rotating globe, radar alerts.
- Developed geolocation-based visualization to enhance user interaction and provide personalized data insights.
- Integrated three APIs—OpenWeatherMap for weather data, Open Cage for geolocation, and USGS for earthquake and tsunami alerts—to provide accurate and timely information.

Visitly - Your Intelligent Travel & stay Companion. [\(Live\)](#) [\(Github\)](#)

Tech Stack: Node.js, Express.js, EJS, Cloudinary, JWT, Passport-Google-Oauth2, Facebook Oauth.

- Created full-stack accommodation site supporting 360 degree home tours and real-time property searches.
- Utilized Cloudinary's distributed storage to store and deliver media assets efficiently and reliably across geographies.
- Designed the system with distributed architecture principles, enabling seamless communication between frontend, backend services, and external APIs for real-time data synchronization and scalability.

ACHIEVEMENT

- 5 Star in C++ at Hacker Rank. | [view](#)
- Secured 53rd out of 1,115 participants in National Level DSA coding quiz. | [view](#)
- Winner – Code Relay Competition 2024**, Tech Invent, Chandigarh University. | [view](#)
- Secured 2nd place in Hack track Competition at Chandigarh University. | [view](#)
- Solved 530+ coding challenges on LeetCode, showcasing proficiency in algorithms and data structures. | [view](#)

EDUCATION

B.E in Computer Science, Chandigarh University | Cgpa: 7.5/10

Expected 2026

XII (CBSE), Nishan Public School | Percentage: 74.4%

2021 - 2022