

Raj Singh Tanwar

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SUMMARY

Passionate and results-driven Computer Science student with strong foundational knowledge in full-stack web and mobile development. Proficient in **JavaScript**, **Flutter**, and **backend development using Node.js**, with hands-on experience building dynamic applications and scalable APIs. Adept at translating complex requirements into functional, user-friendly solutions.

EDUCATION

Sangam University, Bachelor of Technology in Computer Science August 2023 – May 2027

- GPA: 8.92/10.0 (till 4th semester)
- **Coursework:** Mobile Development, Web Development, Problem Solving

Rajendra Marg School, 12th PCM 2021-2022

- Marks: 84.4

PROJECTS

Techy Github Link

- **Real-Time Communication** – Implemented instant messaging using WebSockets with Socket.IO for seamless, bidirectional communication between users.
- **Scalable Architecture** – Followed the MVC pattern to ensure clean separation of concerns, maintainability, and scalability for large projects.
- **Tools Used** - Flutter, Node.js, MongoDB, Socket.IO, Git, and GitHub.

WanderLust Github Link

- **Architecture** - An Airbnb-style application designed for booking hotels across various regions worldwide, developed using the Model-View-Controller (MVC) architecture to ensure scalability, maintainability, and a clear separation of concerns.
- **Tools Used** - Html, Css, Javascript, Express, Node.js and MongoDB.

Tomato Github Link

- **About App** - Developed a full-stack food delivery web application using React, featuring a seamless Stripe payment gateway integration for secure transactions.
- **Tools Used** - Reactjs, Express, MongoDB and Nodejs.

TECHNOLOGIES

Languages: C, C++, Java, Javascript and Dart.

Database: SQL and MongoDB.

Technologies: Reactjs, Nodejs, Nextjs, Expressjs and Flutter.

CERTIFICATES

Database Management Systems(NPTEL)

- Gained knowledge about ACID properties, concurrency issues, locking understood data models (ER model, relational model) and schema design.

Postman API Fundamentals Student Expert

- Learned how to send HTTP requests (GET, POST, PUT, DELETE) and interpret API responses in JSON and XML formats.