



## Anubhav Kumar

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## SUMMARY

B.Tech and M.Tech Integrated course ECE student and full-stack developer passionate about building secure, patient-centric healthcare technology. Experience in secure medical appointment systems

## EDUCATION

### National Institute Of Technology, Patna

2023-28 / Patna, Bihar

B.Tech+M.Tech Electronics and Communication Engineering

CGPA: 8.3

### N.S. Children Academy

2022 / Gorakhpur, UP

Intermediate Education(CBSE Board), UP

Percentage: 80.2

### N.S. Children Academy

2020 / Gorakhpur, UP

Secondary Education(CBSE Board), UP

Percentage: 93.5

## PROJECTS

### PulsePoint - Smart Medical Appointment & Remedy System (Full Stack)

[GitHub](#) | [Live Demo](#)

JavaScript, Node.js, Express.js, EJS, MongoDB

- Developed a **medical platform** enabling patients to check for appointments and access remedy documents
- Implemented secure user authentication system using **Passport.js** with session management and authorization
- Built responsive frontend using **EJS templating** with dynamic content rendering and interactive UI components
- Designed and implemented **MongoDB database models** for users, doctors, diseases, and reviews
- Created remedy library with category-based **filtering** (skincare, digestion, mental wellness)
- Implemented doctor rating system and **feedback** mechanism for continuous service improvement
- Deployed full-stack application on **Render** with proper environment configuration and **scalability**

### VartalApp, Real-Time Chat Application (Full Stack)

[GitHub](#) | [Live Demo](#)

MERN Stack, Socket.IO, JWT, Tailwind CSS, Zustand

- Engineered a real-time messaging app using the **MERN** stack with **Socket.IO** for live communication.
- Implemented secure **JWT authentication** and **bcrypt** password hashing for user security.
- Built a responsive React UI with **Tailwind CSS** and managed client state using **Zustand**.
- Developed a robust **Express.js API** with **MongoDB** for data persistence and user management.
- Enabled real-time features: instant messaging, user online/offline status, and read receipts.
- Deployed the full-stack application on Render.

## TECHNICAL SKILLS

- **Languages:** Java (Data Structures and Algorithms), C, C++, Python (Basics)
- **Backend:** Express.js, Node.js, REST APIs, WebSockets, Passport.js, Bcrypt, JWT, Session/Cookies
- **Database:** MongoDB, Data Validation(JOI), DatabaseDesign, Mongoose(ODM)
- **Frontend:** JavaScript, React.js, HTML, CSS, Bootstrap, EJS, Emotion CSS, React
- **Exposure to:** Socket.IO, Real-TimeComm, TestingLibrary(Jest), CORS Security, Crypto
- **Tools:** Git/GitHub, Multer (File Uploads), Cloudinary (Media), Nodemon, MongoDB Atlas
- **Computer Science Fundamentals:** OOP(Encapsulation, Inheritance, Polymorphism, File And Error Handling), Computer Networks(TCP/IP, HTTP, DNS, TCP/UDP), DBMS(SQL), Operating Systems(Process Scheduling, Memory Management)

## ACHIEVEMENTS AND CERTIFICATION

- Certified in Data Structure and Algorithm using Java Programming by **NPTEL**
- Tackled **400+** **coding problems** spanning dynamic programming, graphs, binary tree and so on.
- Qualified for stage 2 of the **AlgoUniversity Tech Fellowship(ATF)** 2024
- Completed Introduction to **Java** and **C** courses by **Solearn**
- Qualified **3rd National Level Quiz Contest MCCS-QQUIZZARDS-2023** by Mankar College

## CODING PROFILES

- **Leetcode:** Max rating:1427 , **CodeChef:** Max rating:1437 , **Codeforces:** Max rating:1184