



Anubhav Kumar
Roll No.: 2348018
Bachelor of Technology
Electronic and Communication Engineering
National Institute of Technology, Patna

+91-7319830728
✉ anubhavkumar22166@gmail.com
✉ anubhavk.ug23.ec@nitp.ac.in
🌐 anubhavkumar19
📄 Anubhav Kumar

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 **Sololearn**
- 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