

Subham Dey

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Education

Indian Institute of Technology (Indian School of Mines), Dhanbad

Bachelor of Technology in Mechanical Engineering (GPA: 7.35 / 10.00)

Expected May 2026

Dhanbad, Jharkhand

Projects

IntelliDoc: Your Health Buddy.

[GitHub](#)

- A web application that allows users to **input their health information(through images and manual entry)** and receive accurate and personalized diagnosis along with analytical charts.
- **Interactive Medical Chatbot(MediBuddy)** to engage users and provide personalized health advice.
- **Implemented machine learning algorithms** to analyze user-provided health data and predict the likelihood of various diseases or health conditions.
- Tech Stack: HTML, Tailwind CSS, Javascript, ReactJs, NodeJs, ExpressJs, MongoDB, Multer, Nodemailer, GoogleFit API, Numpy, Panda, Matplotlib, Flask, TensorFlow, JWT, OAuth2.0 .

EHR: Electronic Health Record.

[GitHub](#)

- A web application that allows users to **securely store vital medical information** and **connect with leading diagnostic labs** to seamlessly integrate test reports.
- The app has multiple features such as real time messaging for feedback and queries using **Socket.io**, implemented routine email scheduler using **Nodemailer**, a dashboard with progressive circles and graphs using **Chart.js** .
- Users can set **personalized alerts** for medication reminders, upcoming appointments, or abnormal health readings.
- Tech Stack: HTML, CSS, Javascript, ReactJs, NodeJs, ExpressJs, MongoDB, Nodemailer, Socket.io, Chart.js JWT, OAuth2.0 .

WhisperWeb: Collection of secrets.

[GitHub](#)

- A web application where an user can **share secrets maintaining their anonymity**.
- Our platform prioritizes anonymity, providing a safe space for individuals to express themselves freely without fear of judgment or exposure.
- Tech Stack: HTML, CSS, Bootstrap, Javascript, NodeJs, ExpressJs, PostgreSQL, OAuth2.0 .

Technical Skills

Languages: C, C++, Python, JavaScript, SQL

Frameworks: ReactJs, TailwindCSS, Bootstrap, Node.js, Express.js

Clouds & Databases: PostgreSQL, MongoDB

Fundamentals: Data Structures and Algorithms, Object Oriented Programming , Database Management system

Developer Tools: Postman, VS Code, GitHub, Anaconda, Power BI

Programming Achievements

- Codeforces: Maximum Rating-**1256 (Pupil)** [Profile](#) .
- CodeChef: Maximum Rating-**1652 (3 Star)** [Profile](#) .
- Secured **Global Rank 97** in Global starters 131 on Codechef among 10000+ participants.
- Solved **300+ questions** on different coding platforms and online judges.
- Ranked **under 5** in **Hack Fusion'24 (Hackthon organized by NIT Jamshedpur)**.

Social Engagements

Student Internship Representative of Mechanical Department.

Technical Team member at Students' Gymkhana within the web dev division.

Volunteer: at KARTAVYA - NGO run by students of IIT Dhanbad to educate underprivileged childrens.

Organisor: Srijan'24 (Annual Cultural-fest), Parakram'24 (Sports fest) .

Sports-Engagements: Football(national-level) , chess(1729* at chess.com) , cricket , table-tennis.