PABITRA KUMAR BEHERA

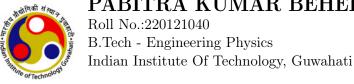Roll No.:220121040
B.Tech - Engineering Physics
Indian Institute Of Technology, Guwahati

+91-8340743648
b.pabitra@iitg.ac.in
pabitrakumar50abc@gmail.com
Github | Portfolio | LinkedIn
Leetcode | Codeforces

EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.Tech. Major	Indian Institute of Technology, Guwahati	7.70 (Current)	2022-Present
Senior Secondary	CBSE Board	84.80%	2022
Secondary	CBSE Board	91.80%	2020

EXPERIENCE

- **Chishikaki Creative Solutions (OPC) Pvt. Ltd.** *May 2025 – Present*
  Full Stack Developer Remote
  – Designed and maintained dynamic, mobile-responsive web interfaces using **React.js**, HTML5, and CSS3.
  – Developed scalable backend services and **RESTful APIs** using **Node.js** and **Express.js**.
  – Managed **NoSQL databases** like **MongoDB**, optimizing queries and data schemas for performance.
  – Ensured high code quality through clean architecture, comprehensive documentation, and modular testing.
  – Designed and implemented a full-featured **room booking system** with separate interfaces for users and administrators.

- **Firmi** *May 2025 – June 2025*
  Full Stack Developer Remote
  – Improved Docker containerization efficiency by **30%**, leading to faster deployment and reduced resource usage.
  – Developed responsive and interactive user interfaces using **React.js** and **Tailwind CSS**.
  – Integrated RESTful APIs to enable seamless **CRUD operations** between frontend and backend components.

PROJECTS

- **MediaBridge** *April 2025 – May 2025*
  Individual Project GitHub | Apache 2.0 License
  – Developed a **video conferencing platform** using **MediaSoup** for seamless **peer-to-peer communication**.
  – Enabled **remote data sharing** between users for real-time interaction and collaboration.
  – Implemented **SDP, ICE candidates, TURN STUN servers** to ensure reliable network connectivity.
  – Designed an **SFU architecture** for **low-latency video**/**audio streaming** and optimal performance across networks.
  – Deployed the application on **AWS EC2** using **Docker containerization** for scalable and efficient production hosting.

TECHNICAL SKILLS

- **Programming**: C++, C, JavaScript
- **Web Technologies**: HTML, CSS, React.js, Node.js, Express.js
- **Database Management**: MongoDB, SQL*
- **Tools**: GitHub, Photoshop, Canva*, Visual Studio, Postman, MongoDB Compass. ** Elementary proficiency*

KEY COURSES TAKEN

- **Computer Science**: Introduction to Computing in C, Computing Laboratory, Operating System
- **MOOCs**: Data Structures and Algorithms, Object Oriented Programming, Computer Networks
- **Mathematics**: Linear Algebra, Single and Multivariable Calculus, Real Analysis, Complex Analysis
- **Electronics**: Analog Electronics, Digital Electronics, Microprocessors, Signals and Systems
- **Physics**: Computational Physics, Quantum Mechanics, Electrodynamics, Classical Mechanics

ACHIEVEMENTS

- **Leetcode**: Successfully solved over **900** problems on DSA across different platforms including Leetcode, CodeStudio, GfG, Codeforces, Codechef, etc.
- **Codechef**: Attained a peak rating of **1429** and a global rank of **782** out of **19k+** participants in Codechef Starters 113 Division 4.
- **Codeforces**: Attained a peak rating of **1223** and a global rank of **4866** among 23k+ participants in Codeforces Round 946 Div2

EXTRACURRICULARS

- **Executive**, **SAIL** (Student Alumni Interaction Linkage), IIT Guwahati *Apr. 2023 - Apr. 2024*