

ACHHADA HIREN RAJKUMAR

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EDUCATION

- Indian Institute of Technology(IIT) Patna Patna, India
(BTech in Computer Science and Engineering. CPI: 8.84) Dec 2021 - May 2025 (Expected)

WORK EXPERIENCE

- Google India Bangalore, India
Software Engineering Intern May 2024 - Aug 2024

- Automated the task of creating the replay configs, which was done manually and increased the efficiency by **85%**.
- Use the API of some Google internal monitoring tools to get the **per-second data** of important measurements like **QPS(Query per second)** on a particular server to be used as a parameter of configuration.
- The development process involved utilizing **CPP**, **Go** for dynamic output generation in proper template, **Python** and **Google internal monitoring tools and query handling tools** for fetching the data from backend.

- Digital Ipsum Remote
Web Developer Mar 2022 - Apr 2022

- Developed a fully functional web page to automate the process of **generating employee certificates**.
- Implemented a web page for creating employee certificates with manager authentication, boosting **efficiency by 40%**. Managers can effortlessly generate certificates with just minimal input and streamline the whole process.
- The development process involved utilizing **PHP** and **MySQL** for the backend functionality, while **HTML**, **CSS**, and **JavaScript** were employed for the frontend design.

ACCOMPLISHMENTS

- Expert** on CodeForces with peak rating **1650**.
- 5 star** rated on CodeChef with peak rating of **2010**.
- Secured a global rank of **333** among **17,000+** candidates in CodeForces Contest held on 6th June 2023.
- Secured an All India Rank of **2569** out of more than **0.17** million candidates in JEE Advanced 2021.
- Ranked as top **0.5** percentile among **1.14** million candidates in JEE Mains 2021.
- Organizing team member of **Codepeak 2022** and Mentor at **Codepeak 2023** organized by **IIT Guwahati, Patna**
- 1st Rank** in Kinetic Coding contest organized on GFG by IPE (Indian Institute of Petroleum and Energy)
- 2nd Runner up in the **Pitch it Up** event organized by E-cell, IIT Patna
- Topper in screening test organized by **PRL(Physics Research Laboratory)** in 2020

PROJECTS

- Chat App:(Full Stack Development using MERN) Source Code
Prof. Mayank Agarwal (IIT Patna) July '23 - October '23
 - User Authentication:** storing passwords in an **encrypted** format within MongoDB using **Jwt**. **Real-time Chatting:** Real-time one-on-one and group conversations, enabling users to communicate instantly.
 - Message Timestamps, User Profiles:** Designed profiles with picture uploads and customizable names for personalization. Additional features include **live AI output**, **real-time video calling**, **Message Copying**, **Disappearing Messages**, **Scheduled Messaging**, creating and chatting in groups, and more.
- Placement stats handling site:(Full Stack Development) Source Code
Prof. Samrat Mondal (IIT Patna) Jan '23 - May '23
 - Implemented a user authentication system and design a database schema to store the placement data of 3 different sectors stated as companies, alumni, and students using **MySQL**. Design a user-friendly interface using **Bootstrap HTML**, **CSS**, and **JavaScript** to display the placement data and implement the ability to retrieve data based on user-selected queries using **PHP** and **MySQL**. User based special privilege and enhanced control over data.
- Fractal generator (5 different types of fractals) Source Code
Group Project with a team of 5 members Feb '23 - Mar '23
 - Developed a visually captivating website featuring the creation of **five types of fractals** based on renowned mathematical equations. Secured the **2nd rank in E-Summit** for this innovative project.

SKILLS/RELEVANT COURSEWORK

- Programming Languages:** C/C++, HTML, CSS, PHP, MySQL, Javascript, Reactjs, Vuejs, NextJs, Django
- Core Courses:** Algorithms and Data Structures, Discrete Mathematics, Database Management Systems

SOCIETIES/EXTRA-CURRICULAR ACTIVITIES

- Head Coordinator at **TPC (Training & Placement Cell) IIT Patna 2024**. leading a team of 50+ coordinators
- Coordinator of Web and App Development of **SAAR(Students' Association for Alumni Relations)**.
- Sub-Coordinator of Web and App Development of **NJACK(The Coding Club of IIT Patna)**.
- Sub-Coordinator in **Google Developer Student Clubs (GDSC) IIT Patna**, WebDev, IIT Patna