Satyam Kumar

B.Tech + M.Tech(Dual Degree) –Computer Science and Engineering
IIT, Dhanbad

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EXPERIENCE

PEPCODING, Location — (online)
June 2022 - August 2022

Worked as a Teaching Assistant in an online Data Structure & Algorithm learning platform -Pepcoding.
- Solved 100+ students' doubts of the Data Structure.
- 30+ questions from dynamic Programming topic, 30+ questions from Graph, and 80+ from other topics like- Array, String, Binary Search, Tree, etc.
- All questions were kind of easy, medium, and hard.

PROJECTS

Real-Time Whiteboard

- Created a real-time whiteboard, built using JavaScript, HTML, CSS, and Canvas API.
- Used Socket.io and Node events to reflect back real-time changes to multiple users.
- Created Undo-Redo features for the board using Arrays as a stack by storing Positions, Colors, and widths of the Pen and Eraser.
- With more features of image upload, save screen as image, zoom in and zoom out.

Cricinfo WebScrapper
- Build a web scraper that scrapes details of BatsMan for each team that played in an ipl.
- Request package was used to make parallel requests to the server and cheerio are used to extract data.
- Nodejs fs module was used to create directories of each team and xlsx module is used to create excel files for each Player.

Weather prediction

- Created a web page where you can see the weather status of the city.
- According to the city name website fetches data from external APIs OpenWeatherMap.
- Created using Node.Js, Javascript, CSS, and HTM.

EDUCATION

Indian Institute of Technology (ISM), Dhanbad — *Dual Degree (B.Tech + M.Tech) Computer Science and Engineering*
JULY 2018 - MAY 2023   **CGPA – 6.26**

PT.D.D.U.M. COLLEGE, BAIRGANIA, SITAMARHI (*Bihar School Examination Board, Patna)*
12th - JUNE 2016 - APRIL 2018 - **62.6%**

HIGH SCHOOL BAIRAGANIA (*Bihar School Examination Board, Patna)*
10th - APRIL 2015- MARCH 2016 - **75.6%**

SKILLS

- **Programming language**: C, C++, Javascript.
- **Core**: Data Structures & Algorithms, Object Oriented Programming, Operating Systems, DBMS, and SQL.
- **Web Dev**:- HTML, CSS, Bootstrap, JavaScript, jQuery, Node.js, Express.js, git, GitHub, EJS, MongoDB and React.js .

ACHIEVEMENTS

- Secured All India Rank **6640** in IIT-JEE Advanced 2018 out of 150,000 shortlisted students.
- Secured District Rank **1** in National Means-CumMerit Scholarship Exam (2014).
- Achieved a global rank of **444** on CodeChef 29 Jan 2022 January Lunchtime 2022 Division 2.
- Solved **500+** questions over GeeksForGeeks, LeetCode, CodeChef, Spoj, Hackerank, and codeforces combined.
- Solved **250+** questions over LeetCode.
- **5 stars** rated on HackerRank platform.

POSITIONS OF RESPONSIBILITY

- **Active member** of FFI(social welfare club).
- **Event Coordinator** of Concetto'19

EXTRACURRICULARS

- Member of Kartavya (NGO run by students of IIT Dhanbad).