Satyam Raj

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EDUCATION

IIIT BHAGALPUR
B.Tech in Computer Science
July 2026 | Bihar, IN

CENTRAL PUBLIC SCHOOL
Senior Secondary Education
Grad. May 2022 | Bihar, IN
Grade : 94%

DAV PUBLIC SCHOOL
Secondary Education
Grad. May 2020| Bihar, IN
Grade : 97%

LINKS

Leetcode:// **satyamraj1532**
Codeforces:// **satyamraj1532**
Github:// **satyamraj1643**
LinkedIn:// **satyamraj1643**
Facebook:// **satyam**
Instagram:// **@satyamjha1532**

COURSEWORK

UNDERGRADUATE
Data Structures and Algorithms
Object Oriented Programming
Computer Architecture
Design and Analysing Algorithms
Discrete Mathematics
Operating Systems
Database Management Systems

SKILLS

TECHNICAL
Languages
•JavaScript • C++ • CSS • HTML
• Python
Frameworks
•ReactJS • NodeJS • MongoDB
• ExpressJS • Redux
• TensorFlow • Pandas • Numpy
• PostgreSQL • SQL
Technologies
Visual Studio • Git • GitHub • Docker

SOFT
•Public Speaking • Leadership
• Management • Debating

OTHER
•Blender • Solidworks

PROJECTS

GOFOOD *(ReactJS MongoDB NodeJS ExpressJS JWT)* Source Code|

GoFood
- An application to improve food order experience by 20% .
- Simple and effective user interface improving visual experience by 30%
- Used the **MERN** tech stack for building the entire application
- Effectively utilised MongoDB for storage purpose.
- Utilized React Contexts for accessing the data throughout the application.
- Implemented **MSVC** design patterns and JWT tokens for the best privacy of users.
- Dark mode implemented based on user settings.

CONTACT-API *(NodeJS ExpressJS PostgreSQL argon2 JWT)*
Source Code

- API to cater to the needs of portfolio developers
- Purpose is to provide developers with a contact system to interact with the interested.
- Increased the efficiency of latest modification by almost **20%** compared to previous versions.
- Can improve the productivity of developers by almost **30%**
- Effectively utilised **PostgreSQL** for storage purpose.
- User argon2 and JWT for extreme security.

EXPERIENCE

TECHNICAL

BOTGAUGE | Client Application Developer
Dec 2022 – Present | Remote

- Working with frameworks like **React**, **Redux** to implement the frontend.
- Improved the user interaction and experience by almost **20%**.
- Developing the client side web application to interact with the **20%**.
- Implementing approach to reduce the testing time by developers by almost **50%**.

MEDHAVIS@IIITBH | Team member
Oct 2022 – Dec 2012 | IIIT Bhagalpur
- Contributed in the main algorithm optimisation team and improved the project efficiency by almost 30%.
- Analysed several existing Large-language models to make the most effective model giving a boost of more than 10% in the accuracy.

ACHEIVEMENTS

- Highest Scorer in the last semester of freshman year.
- Qualified (Intra College) for **SIH 2022** at the college level.
- Highest scorer in the second semester at IIIT Bhagalpur with SGPA of **9.42**.
- Secured a rank of **21** in the district in IMO organised by SOF in 2018.
- **Gold Medalist** for highest scorer in 12th boards by CBSE among 198 students.
- Secured **Silver medal** in 10th board conducted by CBSE among 350 students.