

Gyan Prakash

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EDUCATION

Birla Institute of Technology

Mesra, Jharkhand, India

Bachelor of Technology in Mechanical Engineering

2021 - 2025

- **GPA:** 8.05 / 10

St. TulsiDas InterCollege

Garhwa, Jharkhand, India

Class 12

2017 - 2019

- **Percentage:** 80

PROJECTS

FitTracker

May'24 – Jul'24

Technologies: MongoDB, ExpressJS, ReactJS, NodeJS

- Engineered a full-stack fitness application using the **MERN stack**, enabling users to create, update, and manage workout plans with secure **JWT** authentication and protected routes.
- Integrated **RESTful APIs** and implemented **Chart.js** for dynamic data visualization, allowing users to track and analyze their workout progress with interactive bar graphs.
- Streamlined the user experience by developing seamless logging features, facilitating effortless tracking of daily workout sessions and personalized exercise routines.

BITnet

Jun'23 - Aug'23

Technologies: MongoDB, ExpressJS, ReactJS, NodeJS

- Utilized React JS with Material-UI for the frontend and implemented Express JS with Node JS for the backend.
- Implemented Google Firebase for authentication, enabling streamlined login and registration processes for students.
- Utilized MongoDB for scalable data storage in BITnet's backend, facilitating efficient content management and retrieval.

WORK EXPERIENCE

Tata Steel

Jamshedpur, Jharkhand, India

Tata Prashikshan Trainee-2024

May'24-Jul'24

- Investigated major causes of weigh feeder belt breakdowns, including maintenance issues, to enhance durability and operational longevity.
- Implemented solutions like installing impact beds, overload sensors, and improved material handling to prolong belt life and increase efficiency.
- Conducted regular inspections and maintenance, ensuring proper belt alignment and reducing environmental impact by controlling dust and moisture levels.

SKILLS, ACTIVITIES & INTERESTS

Technical Skills: C/C++, Java, Python, Javascript

Problem Solving: Data Structures, Algorithms, Competitive Programming

Web Technologies: SQL, ExpressJS, ReactJS, NodeJS

Software and Developer Tools: Git, Github

POSITION OF RESPONSIBILITY

Executive Member of Sports and Adventure Club

- Organized EA-FC'23 tournaments with over 500 participants, showcasing strong event management skills.
- Oversaw all gaming and E-Sports activity, ensuring a vibrant and inclusive environment for student gamers.