

# SATISH SAHU

Department of Biotechnology

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## EDUCATION

**Indian Institute of Technology, Kharagpur**  
*Department of Biotechnology - CGPA - 8.67/10*

**Kharagpur, India**

*Dec 2020 - Present*

**KhelGaon Public School**  
*12th CBSE Board - Percentage - 93%*

**Prayagraj, UP, India**

*May 2018 - Apr 2019*

**KhelGaon Public School**  
*10th CBSE Board - CGPA - 10/10*

**Prayagraj, UP, India**

*May 2016 - Apr 2017*

## COURSEWORK

Programming and Data Structures, Design and Analysis of Algorithms, Database Management System, Object Oriented Programming, System Design, Computer Networking, Linear Algebra, AWS Cloud, Artificial Intelligence

## PROJECTS

**Ebuy: Online Ecommerce store** 

**Jun 2023 - Oct 2023**

- Built a dynamic online clothing store with **NextJs** and **TailwindCSS** and included a **Stripe** payment method.
- Designed features include product filtering based on price range, category, sale, order history and summary, checkout and discount functionalities, as well as admin features like product addition, email notification, order management, and delivery tracking.
- Used **firebase** and **mongoDB** as databases, used **Cookies** and **localStorage** to handle Stripe sessions, and cached the data. **Secure authentication and authorization** were implemented using **bcrypt** and **json web tokens**.

**Foodel: A Fastfood delivery application** 

**Jan 2023 - Apr 2023**

- Utilized the newest technologies, such as **Reactjs**, **Bootstrap**, and **Node.js**, to create a contemporary meal delivery app similar to **Zomato**.
- Frontend features like user profile, coupons and checkouts, fetching locations via Google Map, wishlist addition, and item filtering based on name and category have been implemented.
- Developed backend **RESTful APIs** with Node.js and Express.js, created **ContextAPIs** to control the state of the application, and utilized **MongoDB** as the data storage database

**Development Skills Portfolio** 

**Apr 2022 - May 2022**

- Created an exclusive portfolio utilizing the MERN stack to highlight my expertise in the web development.
- Using **Reactjs**, **CSS**, **Bootstraps**, **Google Fonts**, and **Material UI**, a responsive user interface was created for a range of screen sizes, along with light and dark themes.
- Utilized the **nodemailer API** for email alerts and integrated **react-redux**, a **redux toolkit** for advanced state management in the application.
- Successfully deployed the application on the **Amazon Web Service Cloud** using EC2 instance.

## TECHNICAL SKILLS

**Languages:** Python, C, C++, JavaScript, SQL, HTML, CSS

**Tools and Technologies:** Git, VS Code, Linux, GitHub, Android Studio, PyCharm, Postman, Wordpress

**Libraries and Frameworks:** ReactJs, NextJs, NodeJs, ExpressJs, MongoDB, PostgreSQL, Firebase, React-Redux, Django, TailwindCSS, AWS, Docker, FastAPI, GraphQL, RESTAPI, ContextAPI, Bootstrap, Flask

## AWARDS AND ACHIEVEMENTS

- Secured the Gold Medal in the 400 m race event at the highly competitive Open-IIT Athletics 2022
- Secured a rank among the top 2% out of 1 Million+ candidates who appeared in JEE Advanced 2020
- Awarded the Best Student in 2019 at Khel Gaon Public School for excellence in overall academics
- Secured the 2nd position in the Website Hackathon conducted at the MMM Hall of Residence 2022
- Qualified for National Chemistry Olympiad 2019 among the top 300 students out of 50k candidates