

SAHIRAM DUKIYA

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EDUCATION

Indian Institute of Technology, Kharagpur

Dual Degree (B.Tech + M.Tech) in Bioscience and Biotechnology, Final Year

Dec 2020 – Present

CGPA - 7.38/10

Adarsh Public School, Sikar, Rajasthan

Senior Secondary Examination (BSER) (Class XII)

2018 – 2019

Percentage - 95.20%

Bhartiya Central Academy Senior Secondary School, Somna

Secondary Examination (BSER) (Class X)

2016 – 2017

Percentage - 90.67%

EXPERIENCE

E-commerce web application

Software Developer Internship

Sarvika Private Limited, Jaipur, India

May 2023 - Jul 2023

- Built a dynamic e-commerce fronts with **React.js**, **JavaScript**, and **HTML/CSS**, ensuring a seamless user experience
- Contributed to the **micro-frontend architecture** by adding personalized links, improving navigation in a console app
- Gained experience in **ReactJS**, **Redux**, **Webpack**, and **i18next**, applying frontend and internationalization practices
- Optimized web performance with **lazy loading**, **code splitting**, and enhanced mobile responsiveness across all devices

Education Application (Frontend and Backend)

Software Developer Internship

Raggen Solution Private Limited, Jaipur, India

May 2024 - July 2024

- Engineered a fully functional **E-learning platform** using the **MERN stack** (MongoDB, Express.js, React.js, Node.js)
- Enhanced React skills by optimizing components and implementing **React Router** for a smooth, seamless navigation
- Developed an efficient and scalable **RESTful APIs** with Node.js and Express to enhance backend logic and reliability
- Strengthened problem-solving skills by applying advanced **algorithms** and **data structure** to enhance the performance

PROJECTS

DSA Problem Search Engine 🔍

Jan 2024 - Apr 2024

- Built a DSA problem-solving search engine leveraging **Python**, **web scraping**, and **NLP** for efficient problem-solving
- Leveraged **Selenium** WebDriver to scrape over 2000+ questions from competitive programming platforms like LeetCode
- Implemented the **tf-idf** algorithm to rank question relevance and retrieve the top results for efficient problem searching
- Enhanced user experience with **ReactJS** frontend incorporating client-side rendering and a responsive dynamic feature

ShopHere MERN E-Commerce Application 🔍

May 2023 - Jun 2023

- Developed a **MERN-stack** E-commerce application with **JWT authentication** and email verification for secure login
- Built an adaptive **shopping cart system** with the product updates and management, ensuring smooth shopping flow
- Created an intuitive **admin panel** with **MongoDB** integration, improving efficiency of product and user management
- Handled entire development process, from front-end to back-end, ensuring seamless integration and optimal performance

ACADEMIC ACHIEVEMENTS

CodeForces: 150+ Problems Solved, Specialist - **1500+** Rating, [Go to Profile](#)

Leetcode: 250+ Problems Solved, Specialist - **2100+** Rating, [Go to Profile](#)

TECHNICAL SKILLS

Programming Languages: C, C++, Python, HTML, CSS, JavaScript, SQL, MATLAB

Frameworks/Libraries: ReactJs, NextJS, Express.js, Bootstrap, Tailwind CSS, Requests, Bcrypt.js

Development Technologies: Node.js, JWT, MySQL, Git, Docker, AWS, Axios

COURSEWORK

CS/ML: Programming and Data Structure(Theory + Laboratory), Application Of Machine Learning, Algorithms

MATHEMATICS: Advanced Calculus, Linear Algebra and Complex Numbers, Probability and Statistics

EXTRA CURRICULAR

- Led the LBS hall's **Hockey** team as a **captain** managing and mentoring **30+** juniors in Annual **General Competition**
- Part of the **Silver Medal-winning** Hockey Team at **Udagosh Sports Tournament 2022**, organized by **IIT Kanpur**
- Volunteered with the National Service Scheme (NSS) in activities **Swachh Bharat Abhiyan** and tree plantation drives