



Prabhakar

UG (IV Year I Semester)
B.Tech. (Metallurgical & Materials Engineering)
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Registration No: 20118058/2024



Area of Interest

Data Structures and Algorithms, Problem Solving

Education

Year	Degree/Examination	Institution/Board	CGPA/ Percentage
2023	B.Tech. 3rd Year	Indian Institute of Technology, Roorkee	6.770
2019	Intermediate (Class XII)	Jawahar Navodaya Vidyalaya Haridwar(CBSE)	87.20 %
2017	Matriculate (Class X)	Jawahar Navodaya Vidyalaya Haridwar(CBSE)	9.600

Internships

Web Development Intern | CodeClause

July 2023 - August 2023

- Built interactive user interfaces using React, to create dynamic and responsive web applications. Utilized Redux for efficient state management, ensuring data consistency and smooth user experiences. Successfully integrated RESTful APIs to fetch and display real-time data, enhancing the functionality and user interactivity of web applications

Business Analyst Intern | Sapphire Inn

May 2023 - June 2023

- Introduced a new service review and data gathering system, leading to changes that decreased the number of monthly customer complaints by **60% Prototyped** and later implemented a follow-up process that doubled the number of returning customers Developed an intuitive system for standardized **data** reporting in the marketing and customer service departments

Software Development Intern | Block Flow

March 2023 - April 2023

- Developed a RESTful API using Node.js and Express.js to fetch real-time cryptocurrency data from **CoinMarketCap API** and store it in a **MongoDB** database. Enabled secure user authentication by seamlessly integrating **MetaMask** decentralized wallet authentication, significantly enhancing user data security and privacy. Implemented portfolio calculations for each coin, enabling users to track their cryptocurrency investments effectively.

Projects

Thermal history prediction during laser powder bed fusion of Ti-6Al-4V alloy | IIT ROORKEE

February 2023 - May 2023

- Made a prediction of thermal history during laser powder bed fusion of Ti-6Al-4V alloy following the analytical approach using the Rosenthal equation. Also predicted and plotted the melt pool width for a given heat input range.

Dkeeper App | BlocSoc

January 2023 - February 2023

- Created a responsive note-making Web Application with the use of Node.js, Express and React with a backend integration. manages to keep track of user's updation automatically. Hosted on Internet Computer with the help of Motoko language

E-Commerce Website | Self project

February 2023 - March 2023

- Application developed using **MVC Design Pattern** on **MERN** stack. Integrated various **RESTful APIs** with **CRUD** operation for seamless use. Created protected routes and controllers using Express.js. Handled Password reset feature using **NodeMailer** . Implemented **SEO** using React. Notable features: OAuth, **Responsive design** , Product reviews and ratings, **Search filter** , Category pagination, Admin controls , Checkout process with shipping options, **PayPal integration**

Waste to Wealth- Vermicompost in Unnat Bharat Abhiyan | IIT ROORKEE

December 2021 - April 2022

- Executed vermicomposting initiative successfully using windrow composting method in Beladi-Salhapur village with a motive to promote organic farming Low-cost method from beginning to end product Managed Organic and kitchen waste produced in village effectively Designed business model of compost produced in the village

Awards / Scholarships / Academic Achievements

- Global rank 1 in march long one 2022, Div 4(Codechef)
- Global rank 81 October challenge 2021, Div 3(Codechef)
- Global rank 748 inn codeforces round 871 div 4

Skills

Computer languages	c++
Software Packages	Git, Github and version control. Bootstrap 4, Javascript ES6, Node.js, MongoDB, React
Languages Known	Hindi(SRW) ,English(SRW)

Positions of Responsibility & Extra Curriculars

Competitive Programing | Online Judges

January 2022 - Present

- active member on codeforces (Handle-am.i.laughing)with a maximum rating of 1449
- active member on codechef (Handle-annms_c)