SACHIN KUMAR GURJAR

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ABOUT ME

Final-year dual degree undergraduate Engineering student at **IIT Kharagpur (2019-2024)** , adept at leveraging a diverse skillset and passionate about innovation. Proven track record of delivering robust solutions and optimizing software performance. Excels in tackling complex challenges with analytical precision. Eager to contribute expertise to cutting-edge projects in a professional setting.

INTERNSHIP

Software Developer Intern | Niti AI   Feb' 23 - Aug' 23
- Demonstrated expertise in a modern tech stack, leveraging **React.js** and **Next.js** to craft dynamic and responsive UIs
- Empowered team by seamlessly transitioning manual **JSON**-based workflows to intuitive UI-based configurations
- Facilitated seamless **UI customization** through dynamic components, enhancing user interaction and experience
- Elevated user experience with a revamped UI, seamlessly integrating **third-party APIs** and **optimizing data flow**
- Used **React Flow** for interactive graph UI, visualizing intricate data relationships for enhanced user insight & experience
- Skillfully applied **OOPS** concepts, **Dependency Injection** and ensuring a modular, scalable, and maintainable codebase
- Integral role in developing the **fintech** product, showcasing diverse technology, product skills, and innovations expertise.

Frontend Developer Intern | 7DNA   Jan' 23 - Feb'23
- Designed a user-friendly interface for screen-guided exercises with an AI Fitness Instructor, personalized workouts
- Developed an intuitive **dashboard** displaying users daily fitness goals, points achieved through diverse exercise regimes
- Expertly designed several registration forms on the front end and handled the user input data in the **MySQL Database**

PROJECTS

Memoir App
- Engineered **RESTful APIs** using **Node.js** for intuitive photo management within a memories social media platform
- Created a **React.js** frontend with **Material-UI** and **Redux**, enhancing both user interactions and interface aesthetics
- Implemented secure authentication mechanism using **JWT** and **Google OAuth**, enhancing security and user convenience
- Crafted seamless data flow, utilizing **MongoDB** on cloud ensuring efficient data management and retrieval efficiency
- Enabled self-post editing and deletion features on the client and server sides, effectively enhancing user experience

Tour Booking App 🐙
- Developed a **RESTful APIs** to power an intuitive tour booking web platform using **Node.js**, **Express.js** and **MongoDB**
- Implemented a secure user authentication and authorization system using **JWTs** to control seamless access to routes
- Uplifted API safeguards with strategic **Rate limiting**, fortified **HTTP** headers, and stringent data purification tactics

Product Price Tracker 🐙
- Developed a straightforward product price tracker from different **E-commerce** websites using **Web Scraping** in python
- Utilized **Requests** and **BeautifulSoup** modules for collecting and meticulously processed data for precise price tracking
- Implemented **Smtplib** and **SSL** Modules in python for email notification on the falling prices of selected products
- Implemented Python code with **OOPS** principles, ensuring robustness, maintainability, modularity, and code reusability

SKILLS & EXPERTISE

Languages :	C, C++, Python, JavaScript, HTML, CSS, SQL
Tools :	Git, React.js, Next.js, Node.js, TypeScript, PostgreSQL

AWARDS and ACHIEVEMENTS

- Demonstrated strong problem-solving skills by achieving peak rating of **2033** on **LeetCode** and **1534** on **Codeforces**
- Successfully secured a seat in the top **1 percentage** out of around 12 lakhs candidates who appeared in JEE-Advanced 2019

COURSEWORK INFORMATION

Computer Science: Programming and Data Structures (Theory + Lab) | Algorithms I | Object Oriented Programming

Mathematics: Mathematics I | Partial Differential Equations | Transform Calculus

POSITIONS OF RESPONSIBILITY

Advisor | Event Head | Publicity Subhead | Rajasthan Cultural Association IIT Kharagpur
- Oversaw and mentored a **50+** member team, guiding the execution of **5+** events under my expert advisory
- Managed the budget of more than **1.5 lakhs** for one of the biggest cultural fest **Khamma Ghani** of **IIT KHARAGPUR**
- Designed branding materials, decorated the venue for all events, and increased social media following to **7.5k+**.

EXTRA CURRICULAR ACTIVITIES

- Part of the **Silver** winning team of **Kharagpur Premier League** cricket tournament organised by IIT Kharagpur
- Took part in building a **15000** sqft. illumination and Rangoli structure,finishing in fourth place with 100+ student
- Volunteered for **National Service Scheme** (**NSS**) programme at IIT Kharagpur for blooming of rural areas