SACHIN KUMAR GURJAR

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ABOUT ME

Final-year dual degree undergraduate Engineering student From the department of Exploration Geophysics at **IIT Kharagpur (2019-2024)**, adept at leveraging a diverse skillset and passionate about innovation. Leveraged a diverse skillset to deliver robust engineering solutions, optimizing software performance and reducing system response time.

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

Courses: Programming and Data Structures (Theory + Lab) | Algorithms I | Object Oriented Programming | Operating System | Database Management System | 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