PIYUSH K JHA

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PROJECTS

1. **Sync-Link -** *Browser Extension* | [GitHub](#) | [Demo](#)
- Developed MERN stack browser extension for seamless link and clipboard synchronization across devices, resulting in improved synchronization delay by 70%.
- Utilized tools like Parcel, Redux, Formik, JsonWebToken, Bcrypt, and Tailwind-CSS, ensuring real-time, scalable, and secure performance also elevated user engagement by approx 40% through shimmer effects and improved UI/UX.

2. **Chief Advisor -** *Chat-Bot* | [GitHub](#) | [Demo](#)
- A personal assistant powered by OpenAI using React, Tailwind CSS and Node.js.
- Stored session interactions in MongoDB, reducing query time by 20% for faster responses.
- Ensured real-time scalability and security using Parcel, JsonWebToken, and Bcrypt.

3. **Dish Near Me -** *Web Application* | [GitHub](#) | [Demo](#)
- Developed a single-page web application with config-driven UI, uses live Swiggy API for checking out nearby restaurants, including their location, and allows you to search restaurants and add food to your cart to view the final cost.
- Implemented Shimmer UI, custom hooks, Redux-toolkit, and joiValidators for a 50% boost in performance and security.

3. **DTU Smart Mess -** *Mobile Application* | [GitHub](#) | [Demo](#)
- Currently I am building a **cross-platform** app for DTU mess and Canteen to eliminate long queues, wastage of food and sizable financial loss to university due to dues.
- Anticipating a 40% reduction in average queue wait times, targeting a 25% decrease in food wastage, and aiming for a 15% decrease in overdue payments through efficient digital management.

SKILLS SET

C++, Javascript, Typescript, React, Node.js, Express.js, Redux, MongoDB, HTML, CSS (Tailwind CSS, Material-UI and Bootstrap), Data Structures, Algorithms, CS fundamentals, Git/Github, GIMP, Postman, json-server, Figma.

EDUCATION / COURSES

DELHI TECHNOLOGICAL UNIVERSITY   *MAY 2023*
Bachelor of Technology, Minor in Computer Engineering and Major in Electronics: **GPA: 7.4**
Additional Courses: React - CS50 Beyond, Namaste Javascript, Namaste React, Master C++ Coding Blocks, The Complete Node.js Course.

GREEN VALLEY PUBLIC SCHOOL   *CBSE X (2016): 9.4/10.0*   *CBSE XII (2018): 82.3%*

EXPERIENCE (INTERNSHIP)

1. **Full Stack Engineer, ReachIQ (Rnf Technologies)**   *May 2023 -Present*
   - It's a product by Rnf Technologies, where I took charge of conceiving, constructing, and deploying scalable modules, components, and their backends from scratch, utilizing the MERN stack.
   - Successfully designed and implemented over 30 scalable components, significantly enhancing system efficiency by achieving a 30% improvement.

2. **Teaching Assistant, REGex Software Services**   *July 2022 - Nov 2022*
   - Solved doubts and Mentored over 100 C++ and DSA enthusiasts from renowned universities including JECRC, Mody University, Jaipur National University, Chandigarh University.

3. **Product Engineer, Urban Company**   *April 2021 - May 2021*
   - During my tenure in the central supply team of the company, I was actively involved in many vital projects:
   - Behavioral Analysis: Analyze the multifarious behaviors of 200+ business partners.
   - Identified strategic and lucrative business opportunities for expansion through on-boarding new partners.

HONORS & AWARDS

- Secured 8739 rank in **JEE ADVANCED** 2019.
- Tech team and PR & Marketing team of CODECHEF DTU, It hosts contests every month by collaborating with several companies.
- **NCC** Cadet 1 DAS (youth wing of the **Indian Armed Forces**) | Got gold-medal for best cadet in CATC 2021-22.
- Host of podcast called **India 2050**, published on **Spotify** and **Google** podcasts.
- As a Member of **NSS DTU** in Health and Women Empowerment sector and Head at Elixir (Official Health & Fitness Society of Delhi Technological University) helped 500+ patients to get blood during peak of covid-19 2nd wave.