Rahul Jakhar

4th Year Undergraduate
Department of Materials Sciences And Engineering

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Academic Qualifications

Year	Degree/Certificate	Institute	CPI/%
2016 - Present	B.Tech	Indian Institute of Technology, Kanpur	4.7/10
2016	RBSE(XII)	Girdhari Lal Model School, SriGanganagar	85.60%
2014	CBSE(X)	Sacred Heart Convent School, Suratgarh	10.0

Scholastic Achievements

- Secured a percentile of **99.25** in **JEE Mains 2016**.

Professional Experience

- **New York Office, IIT Kanpur** *May'18-July'18*
  Project Supervisor: Prof. Manindra Agrawal, Department of Computer Science and Engineering.
    - Worked on the **Front-end of a scalable application** with a team of 4 members.
    - Used **Angular 6** for building the application and Angular material for the design aspects.
    - Used **ngrx/store** for maintaining the state of the application.
    - Improved **UI/UX** of the application by implementing the search functionality.
    - **Led a team of 4 members** for the **second half** of the internship.
    - Software/Languages Used: **Angular 6 with Typescript, HTML and SCSS**.
- **Bliss, IIT Kanpur** *May'18-July'18*
    - **Fetched realtime data** through **Firebase APIs** and displayed it in an attractive website using **Angular 6**.
    - Technologies Used: Angular 6, Angular Material, Typescript, RxJS, fxFlex, ngx-carousel, CSS3, HTML5, Git.

Positions of Responsibility

- **Senior Executive, Web and Android Developer, Udghosh'17, IIT Kanpur** *2017*
    - Designed and developed the festivals portal responsible for the registration of participants representing colleges all over the country using **PHP** and **SQL**.
    - Developed the front end of the website using HTML, CSS and JavaScript.

Technical Skills

- **Programming Languages:** C, C++, Python, Matlab
- **Web Development:** Angular 6, HTML, CSS, SCSS, Javascript, Typescript, ngrx, Jquery, PHP, SQL
- **Software and Libraries:** GNU Octave, Git, Autocad, Android Studio
- **Networks:** Different Application layer protoclos(HTTP, FTP, DNS, SMTP, DHTs), TCP and UDP.
- **Operating Systems:** System calls, Process Management, Scheduling, Memory Management, Storage Management, File-System Implementation.

Work Samples

- **Github Profile:** https://github.com/jakharrahul000
- Contibuted in developing: https://www.gmantra.org/

Relevant Courses

- **Cyber Security Of Critical Infrastructures, IIT Kanpur:** Applied research methods which includes survey, experiments, and articulation of research problems in this area, and methods for finding solutions to selected problems of cyber secuity.
- **Android Basics: User Interface, Udacity:** Learned the basics of **Android Development**. Used **XML** to build layout of android applications. Used **Android Studio** for purpose of the course.
- **Learn Responsive Design, Codeacademy:** Learned **responsive design techniques**, like relative sizing units and media queries, to create websites viewable on devices of all sizes.

Extra-Curricular Activities

- Secured **first** position in **Group Dance** event in **Galaxy'16** at IIT Kanpur. *2016*
- Secured **first** position in **Basketball** in **Inferno'16**. *2016*
- **Represented** the hall in **Robotics** event during **Takneek** at IIT Kanpur. *2016*
- Experience of **2 years** in **deep water swimming**. Regular swimming participant at IIT Kanpur. *2017-19*