KEERTI BHATNAGAR

Email: keertibhatnagar.work@gmail.com

LinkedIn

Mobile: +91 7456856607

WORK EXPERIENCE

SOFTWARE DEVELOPER | DIGITEM TECHNOLOGIES   May 2023- Present

- Worked on the development of a browser-based application using React and TypeScript.
- Implemented REST APIs to connect the application to the backend services.
- Integrated Keycloak into the React application to enable two-factor authentication and role-based access control, strengthening application security and resource management.
- Integrated WebSocket for real-time data access and MQTT for desktop notifications, enhancing responsiveness and user engagement with timely updates and alerts.
- Optimized component performance through techniques such as lazy loading and efficient state management using React hooks, resulting in a smoother and faster user experience.
- Collaborated with cross-functional teams to ensure timely delivery of project milestones. Debugged and resolved application issues to improve user experience.

FRONTEND DEVELOPER | ACKROLIX INNOVATIONS   Dec 2021- Apr-2023

- Built and maintained dynamic and responsive user interfaces using React.js, improving the user experience and visual appeal of web applications.
- Developed new features and enhancements for the web application using React
- Implemented reusable component libraries and design patterns to standardize UI elements across multiple projects, enhancing code consistency and speeding up development timelines.
- Learned how to collaborate with other developers using Github.

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SKILLS SUMMARY

- **Languages:**   HTML, CSS, JavaScript, Typescript
- **Frameworks:**   Nextjs, Node.js, Express.js
- **Libraries:**   **ReactJs**, Redux, Material-UI, Mantine
- **Tools:**   Git, Postman, Swagger, Docker, Jenkins, WebSocket Integration, Excel, Keycloak
- **Platforms:**   Visual Studio Code, Bitbucket, Clickup, JIRA
- **Soft Skills:**   Collaboration, Communication, Adaptability, People Management, Critical Thinking

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EDUCATION

G.B. Pant University of Agriculture and Technology   Pantnagar, Uttarakhand
Master of Computer Application: CGPA: 84.49 %   2019-2022

Kumaun University   Nainital, Uttarakhand
Bachelor of Science: Percentage: 69.80 %   2015-2018

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PROJECTS

Social Media OSINT Tool

- Developed features like **geo search**, **sentiment clustering**, and **interdependent filtering** to provide deep insights from large datasets.
- Built an interactive **link analysis network chart** and integrated **data visualizations** for decision-making.
- Used **Webpack** for optimized production deployment and implemented **Keycloak** for **two-factor authentication** and **role-based access control**.

News Portal with CMS

- Created a **dynamic, responsive news portal** with an integrated **CMS** for article management.
- Implemented **user authentication**, **article categorization**, and ensured responsive design across devices.
- Integrated **Next.js** for server-side rendering, improving user experience and content delivery.

Complain Management System

- Developed a multi-tier user system with **Super Admin**, **Admin**, and **User** roles, enabling streamlined management and complaint resolution.
- Implemented **role-based access control**, allowing Super Admins to create Admins and Users, and Admins to manage Users.
- Built an intuitive complaint-raising system, allowing users to easily submit and track complaints.