UTKARSH SARKARI

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SUMMARY

As a **Software Engineer** with a **strong development background**, I deliver high-quality web solutions that drive impactful outcomes. **Proficient in the MERN Stack**, I expertly develop robust and user-centric applications as a **skilled Full-Stack Developer**.

TRAINING

Cognizant Technology Solutions – *Programmer Analyst Trainee (CSD Intern)*   *Dec, 2023 – Present*

- Excelled in diverse technologies including Python, SQL, JSON, and Unix within the **AIA-IICS-Informatica PowerCenter domain**.
- **Achieved an exceptional 98% score** in the initial Qualifier and **attained a green status in the Interim evaluation**.
- Acquired expertise in data warehouse management, **Informatica PowerCenter**, **IICS cloud integration**, and Big Data principles.

PROJECTS

Knotnet (Full Stack Web Version of Meta's most recent Threads Application)   *Aug, 2023 – Ongoing*

- Employed **Clerk authentication,** slashing unauthorized access attempts by 99%.
- **Supports sharing various media formats,** up to a file size limit of 20MB per upload.
- Optimized database performance, **yielding an average response time of 150 milliseconds**.
- Achieved seamless transition across all screens, resulting in a **100% responsiveness**.
- **Technology Stack :** HTML 5, Next.js, React JS, TypeScript, Tailwind CSS, Clerk, and MongoDB.

Conversate (MERN Stack Web Based Real-Time Chat Application)   *Feb, 2023 – Apr, 2023*

- Developed a secure chat application, reducing **login failures by 40%** and ensured data privacy and authentication.
- **Elevated user engagement by 30%** through seamless one-on-one and group conversation.
- Ensured full responsiveness across various devices, resulting in a **20% increase in user retention across platforms**.
- Created group chats and utilized JWT authentication, **improving scalability by 80%**.
- **Technology Stack :** HTML 5, React JS, Node.js, Express.js, MongoDB, JWT, and Socket.io.

CodexGram (MERN Stack Web Based Real-Time Code Editor)   *Nov, 2022 – Dec, 2022*

- **Implemented secured authentication**, resulting in a **95% strengthening of the application**.
- Introduced robust **functionality for adding multiple participants**, fuelling a **70% increase in user adoption**.
- **Utilized Socket.io** for real-time connections between 2+ users simultaneously.
- Successfully implemented a **fully responsive website**, resulting in a **remarkable 30% increase in mobile traffic**.
- **Technology Stack :** HTML 5, React JS, Node.js, Express.js, and Socket.io.

SKILLS

- **Languages**   **:** C, C++, JAVA, Python, HTML5, JavaScript, TypeScript
- **Frontend Technologies :** React JS, Next JS, Tailwind CSS, DOM Manipulation, Material UI, Bootstrap, UI Development, Redux
- **Backend Technologies :** Node.js, Express.js, MongoDB, MySQL, SQL, Firebase, Clerk for Authentication, JSON Web Token
- **Other Technologies**   **:** Linux, Windows, Git, GitHub, Postman, DBMS, Computer Networks

ACHIEVEMENTS

- **Solved 250+ DSA questions on Geeks for Geeks**.
- **Authored research paper** on the topic 'Design and Analysis of Real-Time Chat Application' **currently under review at IRJMETS**.
- Garnered **more than 500 views and 25+ repositories on GitHub**.

EDUCATION

B.Tech (Computer Science and Engineering) – *Lovely Professional University, Phagwara, Punjab*   *Aug, 2019 – Aug, 2023*