KHUSHMEET SAINI

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EDUCATION

Bachelor of Technology (IT)   **Aug 2020 – Jun 2024**
Chandigarh Group of Colleges, Landran | CGPA – 8.98

Intermediate (CBSE)   **Apr 2019 – Mar 2020**
Moti Ram Arya Sr. Sen. School, Chandigarh | Percentage – 95%

Matriculation (CBSE)   **Apr 2017 – Mar 2018**
Moti Ram Arya Sr. Sen. School, Chandigarh | Percentage – 90.2%

EXPERIENCE

CSIO-CSIR, Chandigarh   **Jan 2024 – May 2024**

Research and Development Intern

- Designed responsive websites and tools, resulting in a 25% increase in user engagement.
- Conducted research on medical devices, improving accuracy by 20% through innovative solutions.
- Collaborated with cross-functional teams to prototype and test new medical software tools.

SKILLS SUMMARY

- Programming Languages: Java, HTML, CSS, JavaScript, Typescript, Node JS, SQL
- Frameworks and Libraries: React JS, JavaFX, Bootstrap
- Platforms and Tools: Windows, Git, Visual Studio Code, Eclipse, Figma

PROJECTS

E-Commerce Website | React JS
- Developed a fully functional e-commerce platform allowing users to search, order, and buy products online.
- Integrated secure payment gateways and user authentication to enhance security and user experience.
- Implemented search filters, improving product discoverability by 40%.

Realtime Chat Application | React JS, Node JS, Socket.IO
- Created a real-time chat application with focus on performance, scalability, and user experience.
- Utilized Socket.IO for efficient real-time bidirectional communication between server and clients.
- Optimized the system architecture for horizontal scaling, increasing performance by 35%.

Ceph Analysis Tool | Java, JavaFX
- Developed a software tool that enabled manual analysis of 50+ points on cephalometric images for precise measurements.
- Implemented free-hand measurement features, increasing analysis flexibility by 30%.
- Designed a user-friendly interface to support seamless cephalometric analysis in orthodontics.
- Enhancing standardization and efficiency in cephalometric analysis, improving clinical workflow and patient treatment outcomes.

CERTIFICATIONS

- Java Course Certification | Infosys.
- Certified in React JS | Solitaire Infosys.
- Cloud Computing 101 certification | AWS Educate.

EXTRA-CURRICULAR ACTIVITIES

- Led a team to successfully execute multiple technical and non-technical college events with 200+ participants.
- Awarded prizes in college and school painting and drawing contests, demonstrating artistic talent.
- Actively engaged in college programming competitions, enhancing coding skills and staying updated with tech trends.