KHUSHMEET SAINI

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SUMMARY

Frontend and web developer with expertise in building responsive and scalable web applications using React JS, JavaScript, and TypeScript. Proficient in Java, HTML/CSS, JavaScript and SQL, with strong skills in cloud computing, software development, and designing and prototyping using Figma and Photoshop. Eager to leverage technical expertise and project experience to drive innovation and contribute to impactful development teams.

SKILLS

- Programming Languages: Java, HTML5, CSS, JavaScript, Typescript, Node JS, SQL, MongoDB
- Frameworks and Libraries: React JS, JavaFX, Bootstrap
- Platforms and Tools: Windows, Linux, Git, Visual Studio Code, Eclipse, Figma, Photoshop

EXPERIENCE

Virtuoso Netsoft, Mohali   **Jan 2025 – Present**

Web Developer Intern
- Built an interactive dashboard that automated data collection, reducing manual reporting time by 30% and display critical business insights.
- Streamlined backend data systems, resulting in a 20% improvement in data processing speed and reduced manual data handling errors.
- Identified and fixed critical bugs during testing and deployment phases, improving system stability and user satisfaction by 15%.
- Worked closely with senior developers to troubleshoot and optimize web features.

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

Research and Development Intern
- Designed a software tool for cephalogram analysis, reducing orthodontic planning time by 40%.
- Improved accuracy and efficiency by 20% through research-driven software enhancements.
- Co-led prototyping and testing, increasing user engagement by 25%.
- Gained hands-on experience in various software programs, increasing proficiency and expanding technical skill

PROJECTS

Mis - Dashbaord | React JS, Node JS, Mysql
Automated Data Intelligence
- Developed a full-stack MIS Dashboard using React.js, Node.js, and MySQL to manage and visualize structured data in real-time.
- Integrated file upload feature with 100% programmed field-level data cleaning and transformation before persisting to the database, enabling smooth ingestion of data.
- Executed dynamic user-based data retrieval and filters, enhancing report generation speed by 60% and

improving operational insights.

VisionarySearch | React JS, Typescript, Node JS, MongoDB
AI-based Visual Search for E-commerce
- Created an AI-powered visual search engine using TensorFlow.js and React, achieving 95%+ accuracy in matching user-uploaded or sketched images to e-commerce products.
- Integrated OpenAI API for automatic image-to-text generation and added smart filters (category, color, brand), boosting search relevance and user engagement by 45%.
- Built a secure admin panel with Firebase Auth and MongoDB to ensure seamless product uploads.

Cephalogram Analysis Tool | Java, Java FX
Next-Generation Cephalometric Analysis Tool
- Engineered a software tool that facilitates the manual analysis of over 50 points on cephalometric images, ensuring accurate and precise measurements for orthodontic assessments.
- Replaced manual cephalometric calculations with structured algorithmic workflows, boosting measurement reliability by 20%.
- Enforced free-hand measurements and line/angle annotations for precise data capture and flexible analysis.
- User-friendly interface for easy image upload and intuitive navigation, boosting healthcare workflow efficiency by 25%.

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%

CERTIFICATIONS

- **React JS Certification | Solitaire Infosys**
  Gained expertise in React UI development, including state management, components and responsive design
- **Java Course Certification | Infosys**
  Acquired foundational and advanced Java programming skills, focusing on object-oriented programming.
- **Cloud Computing 101 | AWS Educate**
  Completed an introductory cloud computing course covering architecture, deployment, and AWS services.

EXTRA-CURRICULAR ACTIVITIES

- **Event Coordinator**
  Led event teams with over 200 participants, enhancing team collaboration and project management skills.
- **Art and Design Competitions**
  Achieved top placements in various painting and drawing contests at both college and school levels, showcasing creativity and artistic talent.
- **Programming Competitions**
  Actively participated in college programming competitions, honing coding skills, fostering teamwork, and staying updated with the latest technology trends.