

# KANISHKA BANSAL

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## PROFESSIONAL SUMMARY

A highly motivated **B.Tech. IT student** with strong foundations in **Data Structures & Algorithms, Software Development, and Frontend Engineering**. Experienced in building responsive web interfaces and optimizing UI workflows using React and TypeScript. Seeking a **Software Developer / Frontend Engineer** role to apply problem-solving skills and modern UI development practices.

## TECHNICAL SKILLS

- **Languages:** C, C++, Python, JavaScript, TypeScript, SQL, HTML/CSS
- **Frameworks/Tools:** React.js, TensorFlow, Git/GitHub
- **Core CS Concepts:** Data Structures & Algorithms, OS, OOP, DBMS, CN, Software Engineering
- **Soft Skills:** Communication, Teamwork, Problem-Solving, Critical Thinking, Adaptability

## EXPERIENCE

- **Microsoft** May 2024 – June 2024  
*Software Engineering Intern* Noida, India
  - Built a **Personal Agent UI** within Microsoft Outlook using **React & TypeScript**.
  - Developed responsive, reusable UI components improving interface consistency.
  - Collaborated with engineers using Git/GitHub and Agile-based workflows.

## PROJECTS

- **Skin Cancer Detection (TensorFlow, Python)** Feb 2025 – April 2025  
Built a DenseNet201-based CNN model using ISIC 2024 dataset (401K+ images); achieved **94.63% accuracy**.  
Developed modular pipelines for training and evaluation.
- **Movies Web App (React.js)** July 2023  
Developed a web app to display movie details and ratings; added sorting/filtering features and improved render efficiency by **10%**.
- **Pomodoro Web App (HTML/CSS/JS)** Dec 2022  
Created a productivity timer with auto break cycles and a clean UI for study workflows.

## EDUCATION

- **National Institute of Technology, Kurukshetra** 2021 - 2025  
*B.Tech. in Information Technology; CGPA: 8.49*
- **DAV Public School, Sirsa (CBSE)** 2019 - 2021  
*Class XII; 92%*

## ACHIEVEMENTS

- Two-time International Mathematics Olympiad top scorer.
- Solved **300+ DSA problems** on GeeksforGeeks and Leetcode.
- Semi-Finalist, **HackShetra 2022**.

## LEADERSHIP & ACTIVITIES

- Committee Head, Fine Arts Club — led and organized campus events with a 12-member team.
- School Cabinet Member — coordinated student initiatives and discipline operations.