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.