TUSHAR DHINGRA

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EDUCATION

Thapar Institute of Engineering And Technology   **Patiala, India**
B.E. in Electronics and Communications Engineering │ Current CGPA: 7.67   2021 to 2025
DAV Public School   **Patiala, India**
Senior Secondary(XII) PCM │ Aggregate Percentage: 78%   2020 to 2021
DAV Public School   **Patiala, India**
Secondary(X) CBSE │ Aggregate Percentage: 81.5%   2018 to 2019

EXPERIENCE

Sun-Soft Technologies, Bathinda   Jun 2024 - Jul 2024

- Developed a business management desktop application using Java, JavaFX, and MySQL, automating operations, reducing paperwork by 90%, and enhancing data accuracy by 85%.
- Mentored junior trainees, offering technical guidance and support.

PROJECTS

StitchWorks │ Desktop Application 🔗   Jun 2024 - Jul 2024

Technologies: Java, JavaFX, J2SE, SQL, IntelliJ IDEA, MySQL Workbench
Created a business management desktop application for a real tailoring business to streamline operations. Automated updates, reduced paperwork by **90%**, and improved data accuracy by **85%**. Added real-time order tracking with email notifications and Excel export to simplify decision-making. Designed a user-friendly interface, boosting productivity by **40%.**

CommunityCare Connect │ Dynamic Web Platform 🔗   Jun 2023 - Jul 2023

Technologies: HTML, CSS, JavaScript, jQuery, Ajax, Bootstrap, NodeJs, ExpressJs, SQL, MySQL Workbench

- Developed a full-stack platform that bridges the gap between medicine donors and recipients. It features real-time coordination, city-based searches, secure MySQL data storage, and user authentication for seamless tracking—designed to empower and positively impact over 1,000 users.

Additional Projects : 🔗

- **To-Do App, Bill Generator, Calculator, Binary Tree Visualizer, ZipZap (E-Commerce Platform):** Developed using HTML, CSS, JavaScript, and MERN Stack.
- **GuardianDrive (Team Project):** Machine learning-based drowsiness detection system using eye blink, yawning, and head posture.

ACHEIVEMENTS 🔗

- Full-Stack Web Development, DSA with C++, C/C++ (OOP), Java/JavaFX │ BCE (2023-2024)
- Pre-Finalist at Hack4Change Hackathon, beating 100+ teams │ Google (2024).

POSITIONS AND RESPONSIBILITIES

- Mentor │ IETE Social Club, TIET, Patiala, Served as a Mentor/Organizer in Web-Dev department.   Jun 2023 - Jun 2024
- Tutor │ Pratigya Abhiyan, TIET, Patiala, Volunteered as a tutor for unprivileged kids.   Jun 2021 - Jun 2022

SKILLS

- **Programming Languages:** C/C++(Proficient), Java(Intermediate), SQL(Proficient), Python(Beginner)
- **Web Development:** HTML, CSS, JavaScript (jQuery, AJAX, React), Node.js, Express, Bootstrap
- **Databases:** MySQL, MongoDB
- **Tools & Technologies:** VS Code, GitHub, IntelliJ IDEA, Scene Builder, MySQL Workbench, JavaFX
- **Core Concepts:** Object-Oriented Programming (OOP), Data Structures and Algorithms (DSA)
- **Soft Skills:** Critical thinking, adaptability, attention to detail, leadership, empathy, time management

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COURSEWORK

- Operating Systems
- Database Management Systems
- Corporate Finance
- Professional Communication
- Humanities for Engineers