

Harsh Bansal

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Education

Chandigarh University

B.E - Computer Science and Engineering

Specialization: AI & ML

2021 – 2025

CGPA: 7.78

S.D.M International School

Senior Secondary

2019 – 2020

Percentage: 78.4%

M D Senior Secondary School

Secondary

2017 – 2018

Percentage: 75.4%

Experience

Software Programmer | Certificate

May 2024 – June 2024

Nippon Carbide India Pvt. Ltd|

- Conducted software application manual and automated testing to ensure functionality, performance, and reliability using test cases and scripts.
- Collaborated with cross-functional teams to deliver projects ahead of deadlines with high quality.

Web Developer Intern

July 2023 – Aug 2023

Dabotics pvt.ltd

- Actively involved in agile development, participated in test case design, debugging, and validation of modules before deployment.
- Actively involved in agile development, working closely with teams to deliver solutions aligned with project goals.

Projects

CampusPay

09/2024 - 011/2024

- Developed a system to manage rule-breaking challans on campus, ensuring efficient tracking and resolution
- Designed test scenarios for fee management modules and automated SQL validation scripts.
- Technologies:** Python,, AWS, SQL, Selenium, Jenkins

Smart Parking System

01/2024 - 05/2024

- Developed a real-time, AI-driven solution optimizing urban parking efficiency by enhancing space utilization.
- Performed functional testing and implemented automated test cases for data validation.
- Technologies:** Python, Java, Node.js, SQL, Selenium, Jenkins

Face Detection and Gender Classification App

07/2023 - 11/2023

- Allowed users to adjust the sensitivity of face detection based on lighting and environmental factors.
- Conducted extensive testing with different datasets, ensuring reliability across varied conditions.
- Technologies:** Java, Python, JavaScript, Postman

Personal Portfolio Website

06/2023 - 07/2023

- Designed and developed a personal portfolio website showcasing professional skills, experience, and accomplishments.
- Created a user-friendly interface with a responsive design that adapts to various devices and screen sizes.
- Technologies:** HTML, CSS

Emotion Sync Music Recommender |

01/2023 - 05/2023

- Built a Facial Recognition and Mood Detection system for song recommendations using machine learning and computer vision.
- Implemented real-time emotion analysis using OpenCV and deep learning, optimizing accuracy
- Technologies:** Java, Python, C++, CNN, OpenCV

Skills

Programming Languages: C++, C, Java, Python, JavaScript, HTML, CSS, SQL

Databases Cloud: MongoDB, MySQL, Google Cloud,

Version Control & CI/CD: Git/GitHub, Jenkins (beginner), Linux

Soft Skills: Communication, Teamwork, Problem-Solving, Time Management, Statistics, Leadership

Automation Tools & Testing: Selenium, Cypress (beginner), Postman, JUnit/TestNG

Publication

Face Detection And Gender Classification App - IJIRT, Volume 10, Issue 2, 2022

Facial Recognition And Mood Detection And Recommend Songs - IJIRT, Volume 12, Issue 3, 2023