

HARJOT KAUR HANSPAL

Pune, Maharashtra, India | 9527214301 | kaurkhushi308@gmail.com

Education

Bachelor of Engineering in Computer Engineering

August 2023

Savitribai Phule Pune University, Pune | CGPA – 8.5

Higher Secondary Education

May 2019

Kendriya Vidyalaya Southern Command, Pune – 01 | CGPA – 8.02

Secondary Education

May 2017

Kendriya Vidyalaya Southern Command, Pune – 01 | CGPA – 9.8

Professional Experience

Lecturer, Computer Engineering Department

03 August 2026 – Present

AISSMS Polytechnic College, Pune

- Teaching core Computer Engineering diploma courses.
- Delivering lectures, lab sessions, and hands-on practicals aligned with the MSBTE diploma curriculum.
- Mentoring students on academic and mini-projects.

Lecturer, Computer Engineering Department

11 August 2025 – 31 May 2026

AISSMS Polytechnic College, Pune

- Taught Java Programming, Linux and UI/UX
- Planned and delivered lectures, lab sessions, and hands-on practicals in alignment with course outcomes.
- Guided students through Android app development projects to strengthen practical learning.
- Designed and evaluated assignments and internal assessments.

Visiting Lecturer, Computer Applications

AISSMS College of Pharmacy, Pune

- Delivered lectures on Computer Applications to pharmacy students as a visiting faculty member.
- Designed lesson plans and practical exercises to build fundamental computing skills relevant to the pharmacy curriculum.
- Conducted assessments and evaluated student performance in the subject.

Lecturer, Artificial Intelligence and Machine Learning Department

January 2025 – May 2025

AISSMS Polytechnic College, Pune

- Taught Basic Linux and Mobile Application Development courses for diploma students.
- Planned and delivered lectures, lab sessions, and hands-on practicals in alignment with course outcomes.
- Guided students in Android app projects and shell scripting exercises to strengthen practical learning.

Projects

Sign Language Detection using OpenCV

- Developed and implemented a real-time sign language detection system using OpenCV and Python.
- Achieved 100% accuracy in recognizing sign language gestures through effective algorithm design and optimization.

Cricket Score Prediction using Machine Learning

- Developed a Cricket Score Prediction system using Machine Learning.
- An exploratory project analyzing data on different conditions affecting a cricket match.
- Implemented a Random Forest Regressor for its effectiveness in handling both categorical and numerical features.

Positions of Responsibility

Hackathon Participant — Dr. D. Y. Patil School of Engineering

- Participated in the Summer Hackathon ; collaborated with a team of three to develop a solution to track VPN usage.
- This experience honed coding, problem-solving, and teamwork skills.

- Overcame a tight deadline and unexpected technical hurdles, reinforcing the importance of time management and adaptability in a competitive environment.

Core Member, Robotics Club — Modern Education Society's College of Engineering

- Collaborated with a team of four in designing and building a Pick-and-Place robot and an autonomous line-following robot.
- Participated in various robotics projects, gaining hands-on experience with microcontrollers, sensors, and actuators.

Skills and Abilities

Technical: Machine Learning, Mobile Application Development, SQL, Data Science, Data Structures | Python, C++ | Visual Studio Code, Android Studio

Soft Skills: Problem Solving, Adaptability, Communication, Analytical Thinking, Teamwork, Resilience