

# Shruti Natekar

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## EDUCATION

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**PVG COET, GKPIOM**

**Pune, India**

*Bachelor of Engineering: Computer Science and Engineering, expected June 2026*

## SKILLS:

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**Programming:** Python, C++, HTML, CSS, Bootstrap, JavaScript, TypeScript, MySQL.

**Graphic Design Tools:** Canva, Figma, Pencil Tool, Blender.

**Other:** LaTeX, MS-Word, MS-PowerPoint, MS-Excel.

**Soft Skills:** Problem Solving, Teamwork, Leadership, Attention to details, Adaptability, Creativity, Active Listening, Patience

## PROJECTS:

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**Posture Correction Chair, April 2023 - July 2023**

- Detection of the spine's depth with an ultrasonic sensor using Arduino Uno and alerting users when their posture deviates.
- Promotes healthy sitting habits through real-time posture alerts, encouraging users to maintain an ideal posture.
- Emphasizes both posture correction and comfort by providing optimal back support that promotes a natural spinal curve.
- Prevent musculoskeletal issues by guiding users to proper spinal alignment, reducing the risk of pain and discomfort from poor posture.
- Use of ultrasonic sensors and real-time alerts highlights the project's focus on integrating technology to enhance user wellbeing.

**Translation of Indian Sign Language(ISL), January 2024 - May 2024**

- Development of robust computer vision algorithms for accurate gesture detection using PyTorch.
- Collection and curation of diverse sign language datasets for model training.
- Ensures compatibility with various hardware platforms for widespread accessibility.

## CO-CURRICULARS:

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- Design and Production Team member of college department club ACES 2023-24
- Design and Production Team member of TEDxPVGCOET 2023-24
- Member of VLABS PVGCOET
- Design and Production Team Joint Head of college department club ACES 2024-25

**Extra curriculars:**

**Languages** – English, Japanese (N4), Spanish (Elementary), Hindi (Third language proficiency), Marathi (Native proficiency), Sanskrit(Elementary)

**Art** – Classical art (Passed the Elementary, Intermediate drawing exam by the Maharashtra Govt.), digital art.