Shruti Natekar

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EDUCATION

PVG COET, GKPIOM   **Pune, India**
Bachelor of Engineering: Computer Science and Engineering, expected June 2026

SKILLS:

Programming: Python, C++, HTML, CSS, Bootstrap, JavaScript, TypeScript, MySQL, Django, MongoDB
Graphic Design Tools: Canva, Figma, Pencil Tool, Blender.
Other: LaTeX, MS-Word, MS-PowerPoint, MS-Excel.

EXPERIENCE:

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

PROJECTS:

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 well-being

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.
- Ensure compatibility with various hardware platforms for widespread accessibility

Online Hospital Appointment System,
July 2024 - October 2024

- Generate a system for patients who can book appointments to different hospitals using an online platform.
- Use of Database Management Systems for a working model.

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 Maharashtra Govt.), digital art.