Abhinav Katore

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Computer Engineering
Sinhgad College of Engineering, Pune, India

EDUCATION

Degree	University	Year	GPA
B.E.	**Sinhgad College of Engineering Pune** Computer Science	2019- 2023	8.52/10

Academic Achievement / Awards

- **Google Cloud Ready 2021 Facilitator – [Google Cloud Ready'21]** *April'21 –July'21*
  - Selected as one of 200 Facilitator for 3 months GCR program in cloud platform.
  - Facilitated 600 students for cloud computing for 2 month
  - Google Cloud platform. Facilitated Cloud training program for **3 months**.
  - Provided engineering students an opportunity to kickstart their learning on cloud technology using the Google Cloud platform.

- **STES Rocketry | Data and Structure analyst | [Team Website]** *Pune. India*
  (*Worked as Structure analysis of Rocket*) *August'19 - February'21*
  - Simulated Real-time using solid works, basics of forces , and the response of an object to external forces.
  - Worked on real time impact on rocket forces of weight, thrust, and aerodynamics.
  - Worked with selected **30** members in the workshop to make launchable "Rocket".
  - Worked as **Data and Structure analysis** at **STES Rocketry** Team Pune
  - **Awards, Patents and Recognition**

  Received "**Spot Award-On the Spot Recognition**" for the overall design, good work dynamics, and dedication.
  Tools & Technologies: Solidworks, CAD/Blender (*for 3D Solid rocket Cylinder*)

MAJOR PROJECTS

- **2D Video to 3D animation |** *Oct'21- April'22*
  CS Personal Project, Tool/Material –Python & Blender Soft.
  - Used **Python**(*major coding part*) for execution/compiling, major part in motion tracking – **mediapipe** is used to perceive the shape and motion of hands can be a vital component in improving the user experience across a variety of technological domains and platforms.
  - OpenCV (*for **motion capturing***), and
  - For executing animation of 3D model **Blender** is used. 3D software for exporting the animation of skeleton.
  - Project execution Video - [Execution OUTPUT]

- **Arduino Voice Controlled Robot [*Link to Project*]** *Oct'21-Jan'22*
  CS/EE Group project, (Advisor: Prof. Vilas Alagdeve, Senior: Aditya warkad)
  - Used Cascade Classification and **LBPH**(***Local Binary Pattern Histogram***) Face Recognizer method based on python and OpenCv.
  - Real-time search on voice command using **Chrome Driver**, **Selenium** (*For Assistance feature*))
  - Developed on a microcontroller-based platform *(Team-work**)***
- **Hand Gesture Vehicle Control** *Sept'21-Oct'21*
  CS Personal Project, Tool/Material –Python & Opencv, Mediapipe.
  - OpenCV (*for motion capturing*) Capturing the image using Open CV. Conversion of **RGB** to **HSV**& Gaussian blur to the **HSV** converted image.
  - Morphological transformations to the Gaussian blurred image have been done.
  - Used Python to execute the code and to navigate the car command are assigned to keyboard.
  - Project Material - [Project Tool/Material]

Skills

- **Skills**: C,C++, Python
- **Programming Experience**:
  - **2 years** in C/C++ & Algorithms
  - **1 year** in Python.
- **Coding Platform Profile**:
  - CODECHEF *3*star*
  - LeetCode Profile
  - Codeforces Profile

- **Tool and Technologies**: Git, Unix, Windows, Google Cloud Platform, MySQL,

ACHIEVEMENTS / CURRICULAR ACTIVITIES

- **Global Rank-63 (***2nd in college***) in a CODECHEF SnackDown 2021** out of **17,327. -** Online Round 1A Programming Competition
  - **3Star** coder at CodeChef
  - Competition Certificate link- [COCECHEF SnackDown]
- **30 Days of Google Cloud:** Participated in **Google Cloud 1-month** program**.**
  - Certificate- [Google Cloud Certificate]
  - Completed skill badges (*15 Badges, 150 Labs*)
  - Google Cloud: [Skill profile]
- **Campus Ambassador (2020) at** InternIn (*August*'20).

Hobbies and Self Projects

- **VFX** Editing (YouTube channel 2.6k subscribers) [AbhiNOW YT - YouTube] 5Million+ Content views.
- **COURSES UNDERTAKEN**: Core courses: Python from Progate, Database Management Systems, Operating Systems, Theory of Computation
- **Self-Taught** courses: Three js*, C Programming, Python Programming, Web Development*