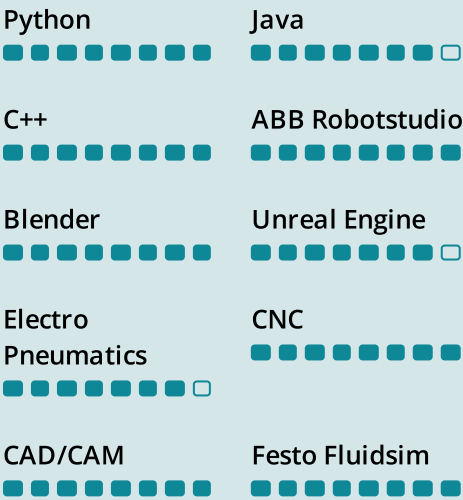


# Akshay D H

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Hi, I'm Akshay, a Mechatronics and Automation student with a passion for technology and innovation. I've developed a strong foundation in programming and automation software such as Python, Java, ABB robotstudio, blender, solidworks, unreal engine 5. In addition to my technical skills, I'm a quick learner with a strong work ethic and excellent problem-solving abilities. Outside of academics, I'm an avid reader and enjoy keeping up with the latest developments in the tech industry.

## SKILLS



## LANGUAGES

English	Hindi
Expert	Expert
Kannada	
Intermediate	

## CERTIFICATIONS

Design simulation using ANSYS ISIEINDIA	Design, Manufacturing & Testing of Electric Solar Vehicle ISIEINDIA
Designing and Developing Go Kart Chassis ISIEINDIA	Complete Blender creator Udemy
complete C++ Udemy	

## PUBLICATIONS

Analysis of Nutrient Uptake Efficiency and Plant Growth  
Yet to publish

## WORK EXPERIENCE

### Game Development

Member  
Worked collaboratively in a game development club for over a year, contributing to multiple projects. Responsibilities included concept development, programming, asset integration, playtesting, debugging, and organizing events.

### GDSC

Event organizing member  
I was one of the member to organise GDSC WOW event in VIT Chennai. It was great experiance which helped me with coordinating logistics, securing sponsorships, and developing engaging content. Successfully attracted participants, received positive feedback, and established partnerships with tech companies.

**Akiyam Solution** (July 17, 2023 - January 17, 2024)  
VFX, Character development and Graphic designing intern

I am currently working here as an intern in VFX department mainly but i have also gained know and experience in character development and graphic designing as well. We use unreal engine for creating the cinematics and i have also learned iclone and as well as character creator 4 for creating animations for same.

## EDUCATION

**Lions English School** (April 01, 2019 - January 01, 2021)  
Higher Secondary, 12th Science  
Schooling with academic excellence, active participation in extracurricular activities, leadership roles, collaborative learning, and a strong foundation in critical thinking and problem-solving.

**Vellore Institution of technology** 3rd year  
Bachelor, Btech Mechatronics and Automation  
I am trying to specialize Mechatronics and automation engineering at VIT Chennai with hands on training with my seniors and faculties, research-driven curriculum, industry exposure, interdisciplinary collaboration, and advanced lab facilities, fostering practical skills and problem-solving abilities.

## PROJECTS

**pneumatic Gripper using Compliant Mechanism**  
The compliant grippers are useful for high accuracy grasping of small objects with adaptive control of contact points along the active surfaces of the fingers. We are integrating this gripper with a pneumatic controller kit to control the actions which we want the gripper to make.

**3D modeling Automation using python**  
In this we focused on developing a system which can detect our hand movement and automate 3D modeling using Python, opencv and unreal engine. The integration of hand tracking technology enables users to interact with virtual objects in real-time, providing a more immersive and intuitive experience.