

## AVS AKASH

8-17, Phase-2  
École Centrale School of Engineering  
Mahindra University  
Bahadurpally, Hyderabad  
India - 500043

Mobile: (91) 9059650605  
E-mail: se22ucse288@mahindrauniversity.edu.in  
Venkatasaiakash.arvapalli@gmail.com

### Education

**Bachelor of Technology (Computer Science .),** Mahindra University Aug 2022 – Present  
*Relevant course work: DSA, OOPS, DBMS, OS etc.*  
CGPA: 8/10 (till 5<sup>th</sup> semester)

**Intermediate,** Impulse College, Hyderabad June 2020 – May 2022  
Percentage: 95 %

**10<sup>th</sup> Grade,** Sri Chaitanya School (Board), Place May 2019 – June 2020  
CGPA: 10/10

### Projects

**Decibel Defense** Six months  
Mahindra University /Hyderabad  
Categorized the fundamental causes and designed a solution:  
noise-cancelling earphones focused on superior noise reduction with optimized battery life.  
Employed the Design Thinking process to ideate, prototype, and refine the product with a user-centered approach.

**Pose Recognition System** Five months  
Mahindra University /Hyderabad  
I developed a system that detects and tracks human body postures and movements using image processing techniques and MediaPipe. It can perform real-time motion analysis as well as analyze movements from videos and photos, making it highly versatile. This system is useful for applications in fitness tracking, sports performance evaluation, physical therapy, and interactive technologies. By accurately recognizing and analyzing human movement, it can assist in injury prevention, posture correction, rehabilitation, and enhancing human-computer interaction.

**Mines Game** Three months  
Mahindra University / Hyderabad  
I designed and developed a fully functional Minesweeper-style game using Java and a graphical user interface (GUI). The game features interactive mechanics, event handling, and dynamic visuals to enhance the user experience. By implementing intuitive gameplay logic and responsive design, the game provides an engaging and seamless experience for players.

**Tech Insights** Currently working  
Personal project  
I am developing a **user-interactive website** using **HTML, CSS, JavaScript, and Bootstrap** to help users **learn more about tech products like smartphones before making a purchase**. The website is designed to be **responsive and visually engaging**, with **interactive elements and an intuitive layout**. It will provide **detailed product insights, comparisons, and recommendations**, making it easier for users to make informed buying decisions.

## **Skills**

**Computational tools/skills:** C, Python, Java, Matlab, Full-Stack development.

**Framework/ libraries:** Bootstrapping, JQuery, SQL

**Development practices:** Object Oriented Programming

**Courses:** DSA, DAA, OS, DBMS, TOC

## **Awards and Achievements**

**Won Week -4 Mutual program and got first place**

Mahindra University / Hyderabad

## **Interests/Extra-curricular activities**

**Interests:** Drawing, Photography, ESports

**Social Service Initiatives:** Fundraiser internship in InAmigos Foundation

**Activities:** i) Design and Content Head in Qubit

ii) Working member of AERO (aeronautical club of MU)