Vaibhav Suri

ABOUT ME

Undergrad Electronics Engineering Student whose interests lie in **Computer Vision**, **Micro controllers** and **Mixed Reality**

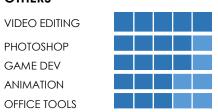## SKILLS

TECHNICAL

- UNITY
- PYTHON
- C /C++/C#
- Arduino/RPI
- HTML/CSS
- EMBEDDED C

PERSONAL

- CREATIVITY
- TEAM PLAYER
- COMMUNICATION
- TIME MANAGEMENT

OTHERS

- VIDEO EDITING
- PHOTOSHOP
- GAME DEV
- ANIMATION
- OFFICE TOOLS

SDKs and LIBRARIES

VUFORIA	ARCORE
FLASK/DJANGO	SKLEARN
NUMPY	MATPLOTLIB
SCIPY	GOOGLEMAPS
AFFECTIVA	OPENCV

EDUCATION

(2017 – present)

BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING,DELHI
ELECTRONICS AND COMMUNICATION ENGINEERING

(Class of 2017)

AHLCON INTERNATIONAL SCHOOL,DELHI
CBSE BOARD

EXPERIENCE

(2017– 2018)

DESIGN EXECUTIVE
BVP ISTE
The design aspects of the BVP ISTE were handled,used Graphic Designing and Video editing skills to make posters,teasers for Workshops and Events.

(2018 - 2019)

ELECTRONICS EXECUTIVE
BVP ISTE
Executive in the electronics chapter(ELECTRONIKA) of BVP ISTE.

(2019 - Present)

RESEARCH AND DEVELOPMENT HEAD
BVP IEEE
R&D head in BVPIEEE CS Society

(2018 - Present)

UNITY 3D DEVELOPER INTERN
STARTAR(NEX GEN INNOVATORS)
Unity3D Developer responsible for the Unity 3d Development and AR implementation of AR based books for children

PROJECT

AUGMENTED/VIRTUAL REALITY EDUCATIONAL APP
Augmented Reality was implemented in the Educational Sector.Especially in the parts of BIOLOGY and CHEMISTRY.Vuforia SDK was used.

AUGMENTED/VIRTUAL REALITY BASED INDUSTRIAL MONITORING
Used Raspberry Pi and Unity 3D to make a 3D model of the industry in real time with the data coming in from Raspberry Pi through Firebase.

AR BASED HEAD MOUNTED DISPLAY UNIT FOR DEAF AND DUMB
Reflection based AR was used to display subtitles for the deaf and dumb in their eyes by forming a virtual enlarged image.

AUGMENTED REALITY BASED BOOKS FOR CHILDREN
Augmented Reality based books were made using Unity 3D and EasyAR SDK by manipulating 3D models on Maya,Blender etc

POTHOLE DETECTION SYSTEM AND HEATMAPPING
This project involved the identification of potholes encountered and plot them on a heatmap of a city by sending data to a database(FIREBASE).

AUTOMATIC MEDICINE DISPENSER USING OCR
A prescription was read using the help of OCR libraries, the required dosage of pills were computed and dispensed using a servo mechanism system

AWARDS AND CERTIFICIATION

- Organized Workshop on Basics of AUGMENTED REALITY AND UNITY 3D
- Organized a VR game event for BVEST fest(2019)
- **FIRST** in NSIT's Hackathon (What the Hack)
- **FIRST** in MSIT's Hackathon (HackMSIT)
- **THIRD** in MAIT's Hackathon (HackMAIT)
- First Runner up in IGDTU's ECE Hackathon
- TOP 10 in BVP's ARDUINO Hackathon
- Participated in BVP EVOTECH project exhibition.
- Participated in IGDTU's Technovate ideathon.
- Participated in HackDelhi-ULTRAHACK