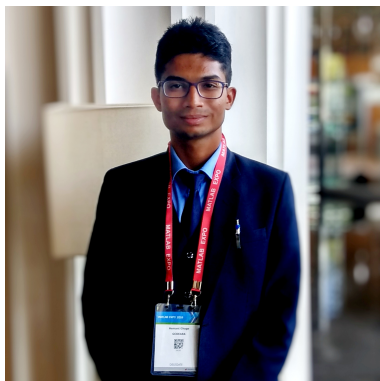# Hemant Goraksh Ghuge

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OBJECTIVE:

To pursue a challenging career and be part of a progressive organisation that presents a scope to enhance my knowledge, creativity utilizing my skill toward the development of the organization.

EDUCATION:

EXAM	COLLEGE/SCHOOL	BOARD	PASSING YEAR	AGGREGATE
B.E	Government College of Engineering and Research	S.P.P.U	2020	7.76
H.S.C	Army Public School, Mumbai	C.B.S.E	2016	82.8
S.S.C	Army Public School, Mumbai	C.B.S.E	2014	8.8

PROJECTS:

1. **Automated Guided Vehicle (AGV)**

   Presently I am working on AGV which is Tri-Wheel Omni based vehicle. This AGV can be used in industries to deliver loads.

2. **Fire Rescue System (FRS) for High-Rise Building**

   FRS is a secondary evacuation system used during fire accidents. With this project our team was selected as one of the 21 finalist out of 362 teams in eYantra Idea Competiton held at IIT Bombay and demonstrated our project at National Finals.

3. **In-House Mechatronics Kit(33 in 1)**

   The kit is a custom PCB which covers 33 experiments of SPPU syllabus of 4 branches. It comes under college development projects.

4. **ServoEyePi**

   Raspberry Pi based Computer Vision project using servo motor and pi cam with MATLAB programming. The project was awarded as Innovative Project in Robo-X event - Abinitio 2019 (Technical Event)

5. **UltraLine03**

   Arduino based obstacle avoidance and line following robot which travelled automatic zone of ABU ROBO-CON 2018 theme.

6. **AlexaPiBhima**

   Raspberry Pi running amazon's "Alexa voice services". Python and Bash Scripting were used in this project.