YUG AJMERA

Aspiring Roboticist

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YugAjmera

EDUCATION

BITS HYDERABAD
B.E. Mechanical Engineering
Expected Graduation May 2021
CGPA : 8.50/10

- **Treasurer** at Automation and Robotics club (ARC) [2018-2019].
- **Secretary** at Gujarati Association [2018-2019].
- Editor at Technopedia.
- Member at Shades (Fine arts) club.

ZYDUS SCHOOL FOR EXCELLENCE
Graduated March 2017
ISC : 94.6%

- Received **7 scholar trophies** for academic excellence in school.
- Scored **100/100** in Computer Applications subject in ICSE board examination.

SKILLS

Experienced
Java programming, Arduino Interfacing, ROS (Robot Operating System), Gazebo.

Intermediate
MoveIt, Python programming, HTML, CSS, Javascript, Bootstrap, C programming, SolidWorks.

Familiar
Linux, Creo, Android Studio, Processing 3, AutoCAD, C++ programing.

- I write a blog on Automation and Robotics: http://yainnoware.blogspot.in/ . (4500+ views worldwide)

INTERNSHIPS

- **Vinnan Labs** (Oct 2018 – Jan 2019) : Developed a prototype of "Autonomous UV Sterilization Robot" which was funded under BIRAC Innovation Challenge, SoCH.

PROJECTS

- **teleop_keyboard_omni3 (ROS Package)**: Generic keyboard teleop for 3 wheeled omnidirectional robots.
- **navros_pkg (ROS Package)** : Package for autonomous navigation of differential drive robots.
- **Hexacopter** (under Students Union Technical Challenge 2018) : A six rotor drone made using the flight controller ArduPilot APM 2.8.
- **Dextroid Humanoid** : A humanoid robot having 8 degrees of freedom.
- **Voice Controlled Car :** A car controlled by voice commands sent through a mobile application using speech to text to a Bluetooth module.