



Ashish Bhagwan Jadhav

Citizenship: INDIAN

DOB: 30-04-93

Gender: M

Objective:

Currently working as Technical Innovation Intern in Siemens Healthineers and likewise fulfilling my master's degree at Manipal Institute of Technology in Industrial automation and robotics, My term goal is to find job opportunity in Automation/Robotics/Designing/ Production-based company that could benefit from my educational background and passion for engineering, while I obtain hands-on experience.

Internships and Work Experience:

Siemens healthineers Gurgaon (8 month): Did learnt technological impact on healthcare system. Developed web application and learnt development of hospital business model. Worked as technical innovation engineer trainee and provided different innovative solutions for problems.

Ameya Industries Pune (1 month): Did learnt the real time applications of the Press machine operations on the sheet metals as the Industry was developing the necessary parts for Mahindra SUV such as foot rest and back wheel carrier also learnt the production management techniques for the effective handling of work cycle.

Teaching Assistantship MIT (11 months): Did learnt to manage and hold up my teaching, elocution, presentation skills with the peer help programs also time management skill was polished.



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Areas of Interest:

- Robotics
- Automation
- Programming
- Designing

Subject Electives:

- Big Data Analytics & Technologies
- Analog and Digital Electronics
- Artificial Intelligence and Expert Systems in Automation
- Machine Vision and Image Processing
- Signal Processing and applications
- Robot Dynamics and Analysis
- Automobile Eng.
- Research Methodology

Operating systems:

- Ubuntu-Linux
- Windows
- Raspbian

Projects:

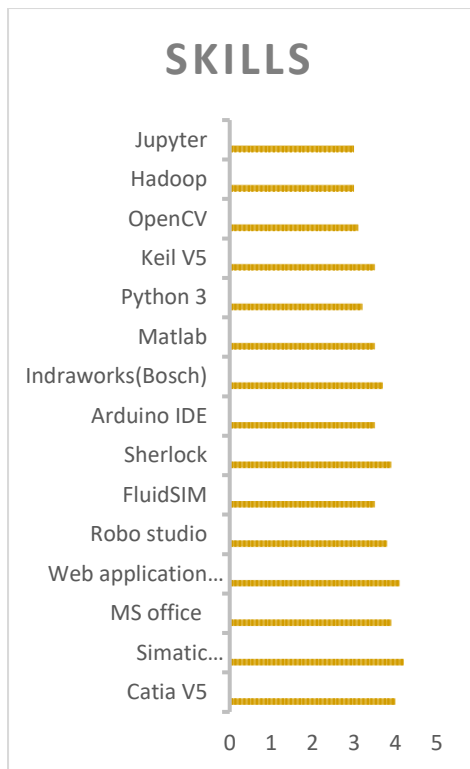
Automation of Pressing Operations (Electro-Pneumatic): Using the knowledge of the Electro-pneumatic operations we developed an algorithm for Automatic Feeding and Pressing Operation with help of **Fluid SIM** the virtual simulation software along with the real-life Electro-Pneumatic simulation.

Scrolling LED Display using ATmega328(embedded system): Using ATmega328 we accomplished the communication virtue. The project was developed for the real-time application for the displaying message and which was coded using Arduino IDE.

System Login Using Face Recognition (Image Processing and Applications): With the help of the **Open CV** packages of **Haar Classifier** we have developed and algorithm in **Python 3** that recognises the face and send a serial output to the microcontroller in order to perform the proceeding operations.

Bottle fill level Detection (Image processing and Artificial Intelligence): We used **Kmeans colour segmentation** technique in order to separate the liquid from rest of the background and then used the **classification algorithm** to classify the bottled is levelled or not levelled in **MATLAB**.

Software's & Languages:



Research work:

Robotic system of Asteroid mining

Extra-Curricular Activities:

- Dancing
- Acting and Modelling
- Badminton
- Reading Books
- Watching Sci-fi movies

The above information provided by me is true and have all relevant documents to authenticate the same.

Bottle fill level Detection (Image processing and Artificial Intelligence): We used **Kmeans colour segmentation** technique in order to separate the liquid from rest of the background and then used the **classification algorithm** to classify the bottled is levelled or not levelled in **MATLAB**.

Controller for 2-DOF Manipulator (Robotics): Using the **Simulink** in **MATLAB**, designing of a closed looped controller with **PID auto tuning configuration** for **2-DOF Manipulator**.

Design Analysis and Fabrication of Prostatic Hand (BE Project): Used **ATmega2560** for the actuation of the 5 servo motors in order to have a 5-DOF for the sturdy handling of the various objects.

Voice Controlled Robot (Robotics): Used **ATmega2560** for the actuation of the 2 wheeled drive robot the serial input instructions was sent by the application which was designed in **MIT App Inventor 2** by Bluetooth the robot performed the movements according to the serial data string it received.

Educational Qualifications:

Grade	School/college	Board	Year of passing	Percentage
10 th	B F Damani highschool	Pune Board	2009	87.69%
12 th	A.D. Joshi Jr College Solapur	Pune Board	2011	70%

B. Tech	College	University	Year of Passing	Percentage
Mechanical Engineering	NKOCET	Solapur University	2015	67%

M. Tech Branch	College	University	Year of Passing	CGPA
Industrial Automation and Robotics	Manipal Institute of Technology	MAHE, Manipal	2020	6.65

Achievements:

- Secured **Best Student Project Award** in Fourth Year of Mechanical Engineering.
- Actively participated in **MESA Committee** at NKOCET Solapur
- Actively participated in **Assembly of motor** at WALCHAND OF ENGINEERING Solapur
- Qualified in Maharashtra Talent search examination at state level
- 8th rank in 7th national cyber Olympiad

References:

Prajaktha koratkar , Assistant.Professor,
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