Mihir Trivedi

Research & Development Engineer

A passionate researcher with 4+ years of experience in Robotics, lot, Product Development and Project Management.



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Ahmedabad, India

WORK EXPERIENCE

Research & Development Engineer Kalyani Technologies Limited

12/2019 - Present

Pune.India

Achievements/Tasks

- Working as a Project Lead with a team of 3+ members and Recruiting and Training Interns
- Working on FFT, ML, AI algorithms to predict live machine health and predict any failures and remaining useful life of machine
- Worked on Pufferfish open source Ventilator software and hardware development for COVID-19 patients.
- Worked in Project Sanjeevani, a pulse dose delivery system for COVID-19 Patients.

Mechatronics Engineer Aliyance Mechatronics

01/2018 - 08/2019

Ahmedabad,India

Achievements/Tasks

- Worked for India's 1st Roboseum a project awarded to Govt. of Gujrat, India.
- Worked as Technical head for electronics team for roboseum project guiding interns.
- Worked on prototyping and developing different robots for the robseum including AMY-waiter robot, Robo Soccer, Painter robot, Badminton Robot, Robo Kitchen, Robo Cafe, Technical Documentation of roboseum for GCSC officials.

Automation & Production Engineer Rasik Industries

06/2017 - 12/2017

Ahmedabad,Gujrat

Mehsana.Guirat

Achievements/Tasks

• Worked on automation of special purpose machines such as automatic surface grinder and automatic stamp machine to stamp products.

PERSONAL PROJECTS

Solar Panel Cleaning System

Funded by Government of Gujrat in Incubation Center (Funding of 6 lakhs)

Drowsiness Detection System for Driver Safety

Laser Cutting Machine for Wood Cutting

Fire Detection Robot using Image Processing

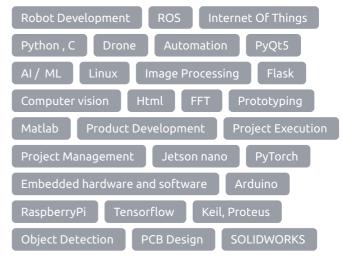
Impulse System of Heat Treatment of Furnaces

EDUCATION

Ganpat University

B.E - Mechatronics 01/2018

SKILLS



CERTIFICATES

Interactive Python Dashboards with Plotly and Dash Getting started with Embedded AI / Edge AI Master of Fourier Transform and its Applications Build your own Super Computer with Raspberry Pi

ACHIEVEMENTS

First Position in RoboCopter conducted by GTU

First Position in Multi Rotor and 2nd Position in Aero Stunt an Convergence

Participated in Aero Modeling event by IIT-Mumbai for 3 consecutive Years

First Position in GoDroneX event 2019 of GTU

LANGUAGES

Hindi

Full Professional Proficiency

Full Professional Proficiency

Gujrati

Full Professional Proficiency

INTERESTS

Learning new technologies

Exploring new sensors and development boards

Music

Drone Flying