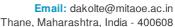


# DURGESH AJAY KOLTE

**B.E. - Electronics Engineering (ETX) - MITAOE** 

Ph: +91-7208272372





# BRIEF OVERVIEW / CAREER OBJECTIVE / SUMMARY

Strive to work in a challenging environment and aim to achieve the organization's goal alongside my personal positive growth. Flexible, Curious & Quick learner who is interested in learning new things. Leading & managing Events, Projects and Clubs across multiple domains.

## KEY EXPERTISE / SKILLS

Internet of Things

Robotics

Management Skills Problem Solving

Decision-Making

Programming

#### **EDUCATION**

Savitribai Phule Pune University

B.E. - Electronics Engineering (ETX) - MITAOE | CGPA: 8.05 / 10.00

Pace Junior Science College, Mumbai

D.A.V. Public School, Thane

2015

2017

2017 - 2021

10th | CBSE | Percentage: 82.60 / 100.00

12th | MSBSHSE | Percentage: 78.62 / 100.00

#### **INTERNSHIPS**

CopperCloud IoTech

June 15, 2020 - July 31, 2020

Key Skills: Internet of Things Energy Design Strategy Scrum

Deploying IoT Solution in hard-to-reach terrain, or where AC Power grid isn't easily available. The main outcome was to design a standalone solar-po wered system. (Link: https://bit.ly/OffGrid\_Intern)

**Robotics Club, MITAOE** 

June 5, 2019 - July 20, 2019

Key Skills: Robotics Design for Manufacturing Problem Solving

- Developing working robust 'Floor Cleaning Robot' at a much cheaper rate
- · Manufacturing Campus Delivery Robot with mapping and pathfinding

(Link: https://bit.ly/RoboticsMITAOE)

# **PROJECTS**

Pick & Place Robot

Jan. 7, 2020 - April 15, 2020

Mentor: Prof. Shridhar Khandekar | Team Size: 3

Key Skills: Robotics Odometry Computer Vision Critical Thinking

Design a robot that can be used for picking and placing goods carrier in industries with the help of Computer Vision and Absolute Odometry. Identify a nd locate the coloured balls in a confined place using software like NI Vision, SolidWorks, LabVIEW & Arduino IDE. (Link: https://bit.ly/PicknPlace)

**Customizable Motor Driver** 

Sept. 15, 2019 - Dec. 10, 2019

Mentor: Prof. Shridhar Khandekar | Team Size: 2

**Key Skills:** Design Research Power Electronics

In this project, we have designed Motor Driver can be made available easily and be manufactured & customized in the lowest cost possible. We have used Proteus, Arduino IDE, Eagle PCB Designer as our helping Simulation software in our journey. (Link: https://bit.ly/MotorDriver)

**Quadruped Robot** 

Sept. 15, 2018 - April 24, 2019

Key Skills: Robotics Embedded C

PCB Design Algorithms Problem Solving Analysis

Critical Thinking

Computing

Quadrupedal Robot (replicating 4 legged Robotic animal) where each leg is a 5-bar linkage mechanism, or as we name it the V-Leg. This particular ori entation of legs helps in obtaining any type of gait for overcoming all the obstacles. Motors are connected with optical quadrature encoders with belt a nd timing pulley arrangement for the angular position of the crank. The desired position of the cranks are thus obtained from the given (X, Y) co-ordin ates through derived inverse kinematic equations. (Link: https://bit.ly/Quadruped)

**Remotely Monitored IoT Service** 

Aug. 15, 2020

Mentor: Prof. Vaishali Katkar | Team Size: 2

Key Skills: Internet of Things Energy Design Strategy Cloud

Deploying IoT Service in Remote location to monitor, analyze & share data wirelessly over the cloud web service to end-user. (Link: http://bit.ly/Major

P R1)

# **ACHIEVEMENTS**

- National Robocon 2019 Stage 1: Rank 5
- RoboStrike Winner (TechnoVanza 2019, VJTI, Mumbai)
- RoboSumo Semi-Finalist (TechnoVanza 2019, VJTI, Mumbai)

#### **ASSESSMENTS / CERTIFICATIONS**

#### What is Data Science?

Authorized by IBM | Offered through Coursera (https://coursera.org/verify/6X9XT6JBB2RM)

## **Development of Real-Time Systems**

Authorized by EIT Digital | Offered through Coursera (https://coursera.org/verify/XUHE7796YRVB)

#### **Broadband Technician**

Certified by BSNL RTTC under NSDC

#### **Introduction to Data Analytics for Business**

Authorized by University of Colorado Boulder | Offered through Coursera (https://coursera.org/verify/FUKHVJZZSUYQ)

#### **Python Data Structures**

Authorized by University of Michigan | Offered through Coursera (https://coursera.org/verify/D5MXWUAD9PXS)

#### **SQL** for Data Science

Authorized by University of California, Davis | Offered through Coursera (https://coursera.org/verify/69WC2RYDQSKU)

#### **Microsoft Al Classroom Series**

Certified by Microsoft in association with NASSCOM FutureSkills (https://bit.ly/MicrosoftAlseries)

#### AWS Academy Cloud Foundations

Certified by Amazon through AWS Academy (http://bit.ly/AWS\_Vin)

#### **CO-CURRICULAR ACTIVITIES**

- · Programming Head, Robotics Club, MITAOE
- · Technical Coordinator, Student Council, MITAOE
- Chief T&P Coordinator, Corporate Relations, MITAOE

## **EXTRA CURRICULAR ACTIVITIES**

- Content Writer & Curator, TEDxMITAOE '20
- Class Representative, Electronics Department, MITAOE
- Team Coordinator, Football & Table Tennis, Electronics Department, MITAOE
- Mentor, Digital Marketing Team, MITAOE
- Student Brand Ambassador, eArth Samvarta Foundation

# PERSONAL INTERESTS / HOBBIES

- Current Affairs
- Gaming & Sports
- Literature

#### **WEB LINKS**

• Other - https://bit.ly/DurgeshKolte\_Files

# **AWARDS AND SCHOLARSHIPS**

- Departmental Merit Scholarship (10% Fees Waived)
- Maharashtra Government Scholarship (50% Fees Waived)

# **PERSONAL DETAILS**

Gender: Male

Current Address: 104/20, Lily, Highland Annex, Thane(W), Thane,

Maharashtra, India - 400608

Emails: dakolte@mitaoe.ac.in , 17dk.durgesh@gmail.com

Date of Birth: May 13, 1999

Known Languages: English, Hindi, Marathi

Phone Numbers: +91-7208272372