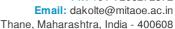


DURGESH AJAY KOL

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

2017 - 2021

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

Pace Junior Science College, Mumbai

2017

12th | MSBSHSE | Percentage: 78.62 / 100.00

D.A.V. Public School, Thane

2015

10th | CBSE | Percentage: 82.60 / 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

The main aim was to Develop working robust 'Floor Cleaning Robot' at a much cheaper rate and manufacture Campus Delivery Robot with mapping & pathfinding (https://bit.ly/Robo_Intern)

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)

River Cleaning Boat

March 13, 2019 - May 20, 2019

Mentor: Prof. Vinod Pakhale | Team Size: 3

Key Skills: Internet of Things Design Strategy

For lesser availability of freshwater, we built up a boat that cleans up the solid waste from water. Our boat was designed lightweight, user friendly and cost-efficient. We were successful at cleaning the solid waste by conveyors. The boat was operated wirelessly through smartphone using Bluetooth. (Link: https://bit.ly/River_Boat)

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.lv/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 to end-user. (Link: http://bit.ly/MajorP_R1)

ACHIEVEMENTS

- National Robocon 2019 Stage 1: Rank 5/87
- National Robocon 2020 Stage 1: Score 94/100
- 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 (https://bit.ly/BSNL BBT)

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 AI 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

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, 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