



DURGESH AJAY KOLTE

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

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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 MySQL Python CPP Embedded C Java

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 Scrum Analysis

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-powered system. It included all the analysis and calculating robust energy system to reduce failures. (Link: https://bit.ly/OffGrid_Intern)

Robotics Club, MITAOE

June 5, 2019 - July 20, 2019

Key Skills: Robotics Design for Manufacturing Teamwork Mapping

The main aim was to develop a working robust "Floor Cleaning Robot" at a much cheaper rate which can sustain human weight. This was operated using Joystick by a human operating on it. Also manufactured "Automated Guiding Vehicle" with mapping & pathfinding. (https://bit.ly/Robo_Intern)

PROJECTS

Remotely monitored IoT Service

Aug. 15, 2020 - Nov. 25, 2020

Mentor: Prof. Vaishali Katkar | **Team Size:** 2

Key Skills: Internet of Things Analysis Web Services Cloud

Deploying IoT Service in Remote location to monitor, analyze & share data wirelessly over the cloud web service Ubidots to end-user. This data would be transferred through nodes using a network of nRFs without the use of the internet. (Link: http://bit.ly/MajorP_R1)

Pet Catalogue

Nov. 1, 2020 - Nov. 12, 2020

Mentor: Dr. Rushikesh Borse | **Team Size:** 3

Key Skills: Java MySQL NetBeans Application

Pet Catalogue based purchasing application was developed using the NetBeans IDE. MySQL Database management was used to save the credentials, pet catalogue, verify the login. NetBeans IDE was used to develop the application using Java. (https://bit.ly/pet_catlg)

Pick & Place Robot

Jan. 7, 2020 - April 15, 2020

Mentor: Prof. Shridhar Khandekar | **Team Size:** 3

Key Skills: Robotics Odometry Image Processing

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 and locate the coloured balls in a confined place using software like NI Vision, SolidWorks, LabVIEW & Arduino IDE. (Link: <https://bit.ly/PicknPlace>)

Quadruped Robot

Sept. 15, 2018 - April 24, 2019

Key Skills: Robotics Embedded C PCB Design Analysis Data Manipulation Team Coordination CPP

Quadrupedal Robot, where each leg is a 5-bar linkage mechanism. This particular orientation of legs helps in obtaining any type of gait (walking pattern) for overcoming all the obstacles. Motors are connected with optical quadrature encoders for the angular position of the crank. The desired position of the cranks is thus obtained from the given coordinates through derived inverse kinematic techniques. (Link: <https://bit.ly/Quadruped>)

PUBLICATIONS / RESEARCH / WHITE PAPERS

A study based on Successive Approximation ADC

Review Paper (yet to publish) | ICICT 2021 | **Mentor:** Prof. Shilpa Rudrawar | **No. of Authors:** 4

This review paper is a study to summarize developments in SAR ADC. The main aim is to provide necessary information on all key factors, options and problems that have to be taken into consideration while designing. (<https://bit.ly/ICICT21dk>)

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/MicrosoftAISeries>)

AWS Academy Cloud Foundations

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

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)
- Departmental Merit Scholarship Student (10% Fees Waived)

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

WEB LINKS

- Other - https://bit.ly/DurgeshKolte_Files

PERSONAL DETAILS

Gender: Male

Current Address: 104/20, Lily, Highland Annex, Thane, Maharashtra, India - 400608

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Date of Birth: May 13, 1999

Known Languages: English, Hindi, Marathi

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