DURGESH AJAY KOLTE

B.E. - Electronics Engineering (ETX) - MITAOE
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BRIEF OVERVIEW / CAREER OBJECTIVE / SUMMARY

I strive to work in a challenging environment and aim to achieve the organization's goal alongside my personal positive growth. I'm flexible, curious & quick learner who is interested in learning new things. I've led & managed 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: **8.03 / 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

Cognizant   Dec. 29, 2020 - Present
Programmer Analyst Trainee

Key Skills: SQL   Java

Comprehensive training, peer mentorship, leadership support and the best coaching on a specific skill set and to check understanding regular hands-on practice sessions, quizzes, coding challenges and Integrated Capability Tests(ICTs).

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)

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) | **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

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)

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

- LinkedIn - https://www.linkedin.com/in/durgesh-kolte/
- Github - https://github.com/DKgeared/Projects_Certificates

PERSONAL DETAILS

Gender: Male
Marital Status: Unmarried
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Date of Birth: May 13, 1999
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