DURGESH AJAY KOLTE

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

Ph: +91-7208272372

Email: dakolte@mitaoe.ac.in

Thane, Maharashtra, India - 400608

BRIEF OVERVIEW / CAREER OBJECTIVE / SUMMARY

I strive to work in a challenging environment and aim to achieve the organizations' 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

Robotics   CPP   MySQL   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

Working on real-time client projects based on Java Selenium and MySQL Database under IT-Automation track responsible for Quality Engineering and Assurance. Extensive training through peer mentorship, hands-on practice, quizzes, coding challenges and hackathons.

CopperCloud IoTech — June 15, 2020 - July 31, 2020
IoT Solution Intern

Key Skills: Internet of Things   Energy   Analysis

Deploying IoT Solution in hard-to-reach terrain, or where AC Power grid isn't easily available. The main outcome was a standalone solar-powered system running throughout the year and reduce energy consumption by 15 folds. (Link: https://bit.ly/OffGrid_Intern)

Robotics Club, MITAOE — June 5, 2019 - July 20, 2019
Automation Intern

Key Skills: Robotics   Design for Manufacturing   Teamwork   Mapping

Developed a working robust wireless "Floor Cleaning Robot" at a much cheaper rate (10x) which can sustain human weight (50 Kgs) controlled through Joystick/Android. Also manufactured "Automated Guiding Vehicle" with mapping for 10 Kgs load/papers delivery across campus.

PROJECTS

Remotely monitored IoT Service — Aug. 15, 2020 - Nov. 25, 2020
Mentor: Prof. Vaishali Katkar   \| **Team Size:** 2

Key Skills: Internet of Things   Web Services   Cloud   Embedded C

Deploying IoT Service in Remote location to monitor, analyze & share data wirelessly over the cloud web service Ubidots to end-user and transferred through a network of nRFs up to 1 Km apart, also making sure the solar-powered system is standalone. (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

Pet Catalogue based purchasing application was developed using 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   PCB Design   CPP   Design Research   Mathematics

Four-legged Robot, where each leg being 5-bar linkage mechanism helped in obtaining any type of gait to overcome obstacles. The desired position of the cranks was obtained from the given coordinates through derived inverse trigonometric/CAD 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)
• Real-time system concept, FreeRTOS hands-on, Clock driven, Cyclic, Monotonic Static Scheduling Algorithms
• Short Response, Early Deadline First Dynamic Theory and limitations, Aperiodic and Sporadic Non-periodic Jobs, Deferrable Server

Microsoft AI Classroom Series
Certified by Microsoft in association with NASSCOM FutureSkills (https://bit.ly/MicrosoftAIseries)
• Data science life cycle, Data Nomenclature, Supervised/Unsupervised/Semi-Supervised Algorithms, Responsible AI
• Intro to the Azure AI/ML platform, Automated ML, Azure Cognitive Services, No-code/low code development environment

AWS Academy Cloud Foundations
Certified by Amazon through AWS Academy (http://bit.ly/AWS_Vin)
• S3 bucket concept and hands-on, EC2 instance, scaling, elasticity, DataSync
• Amazon Snowball service, features, hardware, Cloud computing, Redshift, Sagemaker

ACHIEVEMENTS

- ABU Robocon National 2019 S-1: Rank 5/87
- ABU Robocon National 2020 S-1: Score 94/100
- RoboStrike Winner (TechnoVanza 2019, VJTI)
- Departmental Merit Scholarship Student

EXTRA CURRICULAR ACTIVITIES

- Programming Team Lead, Robotics Club, MITAOE
- Technical Coordinator, Student Council, MITAOE
- Content Writer & Curator, TEDxMITAOE '20
- Class Representative, Electronics Department, MITAOE

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
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