



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 organizations' goal alongside my personal positive growth. I'm flexible, curious & quick learner who is interested in learning new things. I'd also led & managed events, projects and clubs across multiple domains/teams.

KEY EXPERTISE / SKILLS

CPP SQL Java Python Robotics

EDUCATION

Savitribai Phule Pune University B.E. - Electronics Engineering (ETX) - MITAOE CGPA: 8.03 / 10.00	2017 - 2021
Pace Junior Science College, Mumbai 12 th MSBSHSE Percentage: 78.62 / 100.00	2017
D.A.V. Public School, Thane 10 th CBSE Percentage: 82.60 / 100.00	2015

INTERNSHIPS

Cognizant 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.	Dec. 29, 2020 - Present
CopperCloud IoTech 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)	June 15, 2020 - July 31, 2020
Robotics Club, MITAOE 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 wireless Joystick/Android. Also manufactured "Automated Guiding Vehicle" with mapping for 10 Kgs load/papers delivery across campus.	June 5, 2019 - July 20, 2019

PROJECTS

Remotely monitored IoT Service Mentor: Prof. Vaishali Katkar Team Size: 2 Key Skills: Internet of Things Web Services Cloud Remote Sensing 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 nRF, also making sure the solar-powered system is standalone and suitable for small businesses. (http://bit.ly/MajorP_R1)	Aug. 15, 2020 - Nov. 25, 2020
Pet Catalogue Mentor: Dr. Rushikesh Borse Team Size: 3 Key Skills: Java MySQL NetBeans Pet Catalogue based purchasing application was developed using MySQL database management to save the credentials, pet categories, quantity and login/sign-up. NetBeans IDE was used to develop the functioning user-friendly UI of the desktop application using Java. (https://bit.ly/pet_catlg)	Nov. 1, 2020 - Nov. 12, 2020
Quadruped Robot Key Skills: PCB Design CPP Design Research Mathematics Teamwork Four-legged Robot (25 Kg), 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. (https://bit.ly/Quadruped)	Sept. 15, 2018 - April 24, 2019

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 referencing about 15 research papers. The main aim is to provide necessary information guide on all components, functionalities and problems while or before designing SAR ADC. (<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

Broadband Technician

Certified by BSNL RTTC under NSDC (https://bit.ly/BSNL_BBT)

- OSI Model, IPv4/IPv6 header formats, IP address Subnet/Supernet, Optical Fibre, ASK/FSK/PSK, FDMA/CDMA/TDMA bandwidth
- Wireless Infrastructure, Error codes & Correlation, CISCO packet tracer, Shortest path algorithms, Hands-on for LAN cables/Modems/Router

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)

EXTRA CURRICULAR ACTIVITIES

- Programming Team Lead, Robotics Club, MITAOE
- Technical Coordinator, Student Council, MITAOE
- Content Writer & Curator, TEDxMITAOE

PERSONAL INTERESTS / HOBBIES

- Gaming
- Technology

WEB LINKS

- LinkedIn - <https://www.linkedin.com/in/durgesh-kolte/>
- Github - https://github.com/DKgeared/Projects_Certificates
- Other - <https://www.hackerrank.com/dkgeared>

PERSONAL DETAILS

Gender: Male

Marital Status: Unmarried

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Date of Birth: May 13, 1999

Known Languages: English, Hindi, Marathi

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