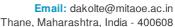


DURGESH AJAY KOL

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

Ph: +91-7208272372





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

SQL

Java Python Robotics

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

Programmer Analyst Trainee

Dec. 29, 2020 - Present

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

Automation Intern

June 5, 2019 - July 20, 2019

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.

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 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)

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 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)

Quadruped Robot

Sept. 15, 2018 - April 24, 2019

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)

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 Al Classroom Series

Certified by Microsoft in association with NASSCOM FutureSkills (https://bit.ly/MicrosoftAlseries)

- Data science life cycle, Data Nomenclature, Supervised/Unsupervised/Semi-Supervised Algorithms, Responsible Al
- Intro to the Azure Al/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
- o 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

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