

ADARSH M KALAGI

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EDUCATION

Bachelor of Engineering (Electronics and communication), | JSSATE Bangalore – 560 060
Pursuing 6th SEM | GPA - 7.5

2023-Till Now

Diploma In Mechanical Engineering | RURAL POLYTECHNIC HULKOTI – 582 205
Completed in 2018 | GPA - 69.7

2018

SSLC | Shree C, S, Patil Boy's High School Gadag – 582 101
Completed in 2015 | 73.44%

2015

COURSEWORK / SKILLS

- Microsoft Office
- Basic's C & C++
- Web Development
- Basics of Python
- Software Engineering

PROJECTS

Potentiometric Device for detection of Hydrogen Peroxide in water

2024

- Developed a low-cost Arduino-based potentiometric device for the sensitive and precise detection of hydrogen peroxide (H₂O₂) in water samples, spanning from September to December 2024. This innovative system integrates an Arduino UNO microcontroller with a Digital-to-Analog Converter (DAC), operational amplifiers, voltage regulators, and signal noise reduction circuitry to achieve excellent sensing performance. The device demonstrates precise and accurate determination of H₂O₂ levels, yielding results highly consistent with those obtained from commercial potentiometric sensors. Ongoing work aims to further enhance the capabilities of this promising project. The development process leveraged skills in HTML, CSS, Node.js, and Python.

EXPERIENCE

❖ TOYOTA KIRLOSKAR MOTOR BIDADI BANGALORE | TEAM LEADER IN ILCD DEPT & SHIFT SAFETY INCHARGE :

DEC-2022 To NOV-2023 | (1 YEAR)

- Supervised shift operations, ensuring task efficiency, team support, safety compliance, and smooth workflow.
- Maintained shift communication, addressed issues, and prepared detailed handover reports.

❖ BOSCH BIDADI | LINE QUALITY INSPECTOR (ASSEMBLY DEPT):

MAY-2022 To NOV-2022 | (6 MONTH)

- Inspect products during assembly to ensure quality standards, identify defects, report issues, and collaborate with the team for resolution.
- Maintain accurate inspection records and support continuous improvement efforts.

❖ MOLEX INDIA PVT.LTD. BANGALORE | LINE QUALITY INSPECTOR (ASSEMBLY DEPT):

MAR-2019 To AUG-2020 | (1YEAR,5 MONTH)

- Inspect products during assembly to ensure quality standards are met, identifying defects or deviations for correction.
- Collaborate with the team on quality issues, ensure corrective actions are taken, and maintain accurate records to support continuous improvement.

TECHNICAL SKILLS

Languages: java, python, JavaScript, Web development.
Developer Tools: VS Code, CNC Programming, M-CAD.

Languages

- Kannada
- English
- Telugu