

# JATOTH ARAVIND

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## PROFILE

Enthusiastic mechanical engineering graduate, eager to apply my acquired knowledge and skills to a distinguished company. Seeking a dynamic, growth-oriented career where I can contribute to the organization and enhance my experience through continuous learning and collaborative teamwork.

## ACADEMIC CREDENTIALS

### Bachelor of Engineering in Mechanical Engineering

May 2023 | Hyderabad

University College Of Engineering (A) , Osmania  
University  
9.02 (CGPA)

### Diploma in Mechanical Engineering

Jun 2020 | Nalgonda

Government Polytechnic, Nalgonda  
90%

## PROFESSIONAL EXPERIENCE

### Midwest Energy Private Limited

Jul 2023 – Present

Jr. Mechanical Design Engineer

- Designed a high-voltage LFP battery pack to retrofit Ashok Leyland Bada Dost
- Designed a custom coupling system to retrofit a 3-wheeled passenger auto for improved efficiency.
- Explored diverse cell technologies in the electric vehicle industry, gaining a broad understanding of the field.

## INTERNSHIPS

### Daikin Product Training- RA, SA, PA & VRV

Nov 2022 – Dec 2022

Student Intern | Daikin Air-conditioning India Pvt. Ltd.

### 3D Printing

Dec 2021 – Jan 2022

Student Intern | CPDDAM, OU

### Modelling and Designing of HVAC Services in Commercial and Residential Buildings

Nov 2019 – Mar 2020

Industrial Training | SP Technologies

## PROJECTS

### Design and Fabrication of Wall-climbing Robot

- Developed a wheel-driven wall-climbing robot using innovative negative thrust adhesion method.
- Engaged in research, design and fabrication aspects of the robot.
- Awarded the Best Project Award by Osmania University.

### Fabrication of Hydraulic Sheet Bending Machine

- Contributed to the design and fabrication aspects of the project.
- Led a team of 8 members.

## PUBLICATIONS

### Design and Analysis of Wall-Climbing Robot

09 Nov 2023

Atlantis Press (Part of Springer Nature)

## ACHIEVEMENTS

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- Secured state 48th rank in the Engineering Common Entrance Test (TS ECET 2020)
- Selected for National Means Cum Merit Scholarship in 2014

## AWARDS

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### Best Project Award

06 Jul 2023

Issued by Osmania University, Hyderabad

Received the 'Best Project Award for BE Mechanical 2022-2023' from Osmania University for our project titled Design and Fabrication of Wall Climbing Robot.

### Dr. BR Ambedkar Meritorious Award

14 Apr 2022

Issued by State Board of Technical Education and Training, Telangana

Awarded for scoring the highest percentage in my diploma academics across the state.

## SKILLS

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SolidWorks, AutoCAD, 3D Printing, MS Office, DFMEA, GD&T

## LANGUAGES

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Telugu, English, Hindi, Tamil