

# Rithvik Reddy Pindi

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## EDUCATION

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**Clemson University- International Center for Automotive Research (ICAR)** Jan 2022-Present

Master of Science, Automotive Engineering

**Maturi Venkata Subba Rao (MVSR) Engineering College, Osmania University** Aug 2017-July 2021

Bachelor of Engineering: Automobile Engineering. GPA: 8.4/10.00

## EXPERIENCE

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**Accenture Solutions Private Ltd – Full Time** Aug 2021-Dec 2021

- Role: Application Development Associate
- Stream: SAP BASIS

**Finite Element Analysis & Computational Fluid Dynamics Internship** Aug 2021-Sep 2021

- Project 1: Analysis of a Connecting Rod to find out the stresses, deformation, and fatigue life for high performance.
- Project 2: Evaluating the velocity profile and pressure difference between upstream and downstream of the Orifice meter

**Infosys ‘Summer of Ideas’ Intern** Aug 2020-Oct 2020 •

Was among 400 candidates who were shortlisted globally from 100,000 applicants to participate in the event.

- Designed, Developed, and fulfilled some of the specifications of Social Linked Data (SOLID) framework.
- Finished first in a global contest and won 5000\$.

## LEADERSHIP & VOLUNTEER EXPERIENCE

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**SAE Tier Events - Coordinator**

- Organized numerous tier events like connected vehicle challenge, autonomous vehicle challenge, complete assembly, and disassembly of a bicycle, On-Board Diagnostics challenge.

**Student Fundraiser - Manager**

- Organized and managed a fundraiser on Milaap platform to help my team build an electric ATV to compete in national level student competitions and successfully raised about 101,000 INR.

**Unnat Bharat Abhiyan - Volunteer**

- Identified the challenges for rural India’s development and formulated appropriate solutions to promote sustainable growth by working with local communities.

**Sports Assistant during Bachelors**

- Managed the inventory, sports equipment and assisted the Physical Education trainer.

## PROJECTS

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### Design, Analysis, and manufacturing of an electric ATV

Oct 2019-Mar 2020

- Managed a team that presented a sales pitch for the vehicle we manufactured.
- Successfully finished the endurance race and placed 8<sup>th</sup> in the January phase of SAE eBAJA event 2020.
- A podium finish with the overall No. 1 position in FMAE eBAJA 2020(March 2020).

### Design, Analysis, and manufacturing of a Quad Bike

Oct 2018-Mar 2019

- Lead my team to a runner-up position in the sales presentation and design & CAE static events.
- Responsible for the suspension subsystem on the vehicle and designed, fabricated a perfect suspension system for an off-road vehicle (Quad-bike) at a low cost.

### Design and Analysis of an Electric Motorcycle Drivetrain

Jan 2021-Mar 2021

- Designed and Analyzed an Electric Motorcycle with a special emphasis on gearbox and drivetrain.

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## CERTIFICATIONS

### Goethe Zertifikat A1(German A1 level)

Nov 2020

- Percentage: 93%

### IELTS – Academic

Aug 2020

- Speaking- 8/9

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## SKILLS

**Modelling & Simulation:** AutoCAD, SolidWorks, Catia, CREO, Ansys, SimScale, Matlab.

**Languages:** Java, Python(beginner), DBMS.

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## ACCOMPLISHMENTS

- Attended various workshops on topics like Advanced Driver Assistance Systems (ADAS), Electric Vehicles, Safety for Autonomous Car, Driver State monitoring, Turbulence and CFD.
- Participated and scored >70% in an online quiz contest on the topic Autonomous & Connected Vehicles conducted in Nov 2020 by Automotive Research Association of India (ARAI).
- Student member at Society of Automotive Engineers (SAE-INDIA) since April 2019. Participated in 3<sup>rd</sup> Summer School in “Automotive Technology” organized by SAEINDIA-Northern section in September 2020.
- Completed an online course on “Electric Vehicles and Mobility” during September 2020.
- Completed an online course on "Introduction to Self-Driving Cars" which is authorized by University of Toronto and offered through Coursera.
- Participated in ISIE-skill development program on Electric Vehicle Design & Dynamics in August 2018.

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## AWARDS

- Stood 1<sup>st</sup> globally in an Ideathon and won \$5000.
- All India Rank (AIR) 1 in FMAE eBAJA, March 2020.
- Finished at 4<sup>th</sup> position in Quad Bike Design Challenge (QBDC) in March 2020.
- Secured 8<sup>th</sup> position nationwide in SAE eBAJA, January 2020.
- Secured 2<sup>nd</sup> position in the Project Expo 2019 conducted at MVSR Engineering College
- Achieved All India Rank 3 in QBDC in March 2019.