



# RIYAZ ABDUL

B.Tech  
Mechanical Engineering  
VR Siddhartha Engineering College  
Vijayawada

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## CAREER OBJECTIVE

Aspiring to build a rewarding career in the IT industry by utilizing my engineering background, technical skills, and adaptability. With expertise in programming and a zeal for learning new technologies, I aim to deliver impactful solutions and grow within a dynamic organization..

## EDUCATION

**Bachelor of Technology in Mechanical Engineering**, JNTU Kakinada 2022 - 2025  
Velagapudi Ramakrishna Siddhartha Engineering College, Vijayawada  
CGPA - 8.73 till now

**Minor Bachelor of Technology in Computer Science Engineering**, JNTU Kakinada 2022 - 2025  
Velagapudi Ramakrishna Siddhartha Engineering College, Vijayawada  
CGPA - 9 till now

**Diploma in Mechanical Engineering**, AP SBTET 2019 - 2022  
RK College of Engineering, Kethanakonda  
Percentage-88.12

**SSC**, Board of Secondary education AP 2018 - 2019  
Swathi Vidyanikethan EM School, Gollapudi  
CGPA - 9.3

## PROJECTS

• **Analysis of Economizer to optimize the Heat transfer by recovering heat from exhaust gases.** July - Oct (2024)  
*Mini Project-2 -Team vice leader*

- Economizers are essential for improving the efficiency of thermal systems by recovering waste heat from exhaust gases. This study utilizes ANSYS, a computational tool, to perform a detailed thermal analysis of an economizer. The investigation emphasizes the addition of helical fins to the economizer tubes to optimize heat transfer and enhance overall performance.

• **Study on Lubrication Optimization in Cement Industry** June. 2024 - July. 2024  
*KCP Cements,Muktyala-Team lead*

- Advanced optimization strategies improved system performance and reliability while reducing costs. Lubrication condition monitoring identified key indicators of lubricant degradation, promoting regular checks to reduce downtime and extend equipment lifespan. Additionally, a continuous lubrication monitoring device using IoT was developed.

• **Design and Analysis of an Air Cooler with Dehumudification** Aug. 2023 - Apr. 2024  
*Mini Project-1 -Team vice leader*

- Developed equipment that effectively reduces temperature and humidity to create a comfortable environment, especially in areas with high moisture levels. This solution helps prevent discomfort and health issues by maintaining optimal conditions for users.

• **Geometric cat Wall art using 3D printing** Oct. 2023  
*Internship Project*

- Crafted a Geometric Cat Wall Art via 3D Printing a Process Using FDM Technology

## INTERNSHIP

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### •KCP Cements CPU-2

June 2024 - July 2024

Industrial 6 weeks Internship

- Completed a 6-week internship at KCP CPU-2, gaining hands-on experience in the cement production process and learning about the application of Condition monitoring techniques.

### •EduPhoenix solutions

Oct. 2023

Academic 1 month Internship

- Familiarized myself with the principles and practices of various Additive Manufacturing methods.

## CERTIFICATIONS

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•**SIEMENS - APSSDC**: Basic Robotics, Basic Mechatronics

•**NPTEL** : Cloud computing, Privacy and security in Social media

•**SRC E Solutions**: Industrial training with duration 6 months

## SKILLS

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- **Programming**: Python, C language & Java(Basics)
- **Frontend Technologies**:: HTML , CSS
- **Designing Applications**: AutoCAD, Catia, NX CAD, Solidworks
- **Analysis & Automation Applications**: MATLAB, ANSYS, PLC, Robot studio
- **Areas of Interest**: DSA, OOPS, MySQL(Basics)
- **Technical Interests**: Thermodynamics, Fluid Mechanics, Additive Manufacturing, Finite Element Method

## POSITIONS OF RESPONSIBILITY

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**Coordinator/Volunteer/Member**, at Institution of Engineers, SAE, ACME VRSEC Student chapters  
**Diploma students Coordinator**, Coordinating Events, students welfare & Mentor

## ACHIEVEMENTS

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- Received the Gold Medal for Outstanding Academician during the academic year 2021-22 at TechnoRK-22 RKCE.
- Secured 1st Place in Python Programming at the Institution of Engineers VRSEC Student Chapter in Sept 2023.
- Achieved 3rd Place in Technology Talks at the Institution of Engineers VRSEC Student Chapter in Aug 2023.

## EXTRA CURRICULAR ACTIVITIES

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- Active participant in inter-college competitions.
- Volunteer in AFOSEC 23 & 24
- Attendee at guest lectures on Research & Development (R&D)

## STRENGTHS

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- Assertiveness
- Analytical reasoning
- Adaptable
- Relationship building

## HOBBIES

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- Updating myself with latest technology
- Delivering lectures to school students during my free time.
- Playing Badminton and Cricket
- Furniture Restoration and Travelling

## DECLARATION

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I hereby declaring that the information provided above is true and best of my knowledge and belief.