



# Riyaz Abdul

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## OBJECTIVE

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


## EXPERIENCE

- The KCP Limited - CPU-2**  June 2024 - July 2024  
*Summer Internship*
  - Introduced a lubrication monitoring system, achieving predictive maintenance through early degradation detection.
  - Implemented process optimization strategies, increasing performance by 6% and reducing costs by 8%.
  - Developed an IoT-based monitoring component for seamless integration, reducing downtime by 15% and extending equipment lifespan by 5%.
- EduPhoenix Solutions**  Oct 2023  
*Student Intern*
  - Crafted a geometric cat wall art model using FDM with a precision of  $\pm 0.1\text{mm}$ .
  - Established process enhancements in 3D printing, reducing material waste by 15%.
  - Optimized digital fabrication techniques to drive sustainable manufacturing and innovative design.

## EDUCATION

- Velagapudi Ramakrishna Siddhartha Engineering College, Vijayawada** 2022-2025  
*Bachelor of Technology in Mechanical Engineering* CGPA: 8.73 till now
- Velagapudi Ramakrishna Siddhartha Engineering College, Vijayawada** 2022-2025  
*(Minor) Bachelor of Technology in Computer science Engineering* CGPA: 9 till now
- RK College of Engineering, Kethanakonda** 2019-2022  
*Diploma in Mechanical Engineering* Grade: 88%
- Swathi Vidyanikethan EM School, Gollapudi** 2018-2019  
*SSC, Board of Secondary education AP* CGPA : 9.3

## PROJECTS

- Analysis of Economizer to optimize the Heat transfer by recovering heat from exhaust gases.** July 2024 - Oct 2024  
*Tools: ANSYS Fluent* [Source File]
  - Developed an economizer with helical fins, boosting effectiveness by 37% (0.35 to 0.48) for enhanced waste heat recovery.
  - Created a thermal model for a heat exchanger to optimize performance in real-world conditions.
  - Optimized heat exchanger design by integrating helical fins to improve heat transfer efficiency and thermal effectiveness.
- Microsoft Homepage clone** Jan 2025  
*Tools: HTML, CSS, JavaScript* 
  - Built a responsive Microsoft homepage using HTML5, CSS3, and JavaScript, ensuring seamless cross-device compatibility.
  - Integrated a dynamic toggle navigation menu for mobile devices, enabling real-time user interactions.
  - Designed interactive product cards and promotional sections to enhance brand communication and user engagement.
- Design and Analysis of Air Cooler with Dehumadification** Aug 2023 - Apr 2024  
*Tools: MATLAB, R&AC, Psychrometry* [Source File]
  - Innovated a modified air cooler integrated with dehumidifier, achieving a 16% reduction in relative humidity and increasing upto more than 30% in dehumidification capacity.
  - Engineered a heat exchanger system, processing performance data for 500 sq. ft. and 1000 sq. ft. spaces under varying climatic conditions.
  - Developed a prototype of a hybrid air-cooling unit that integrates cooling and dehumidification, providing a sustainable alternative to conventional air conditioning systems.

## SKILLS

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- **Programming Languages:** Python, C & Java (Basics)
- **Web Technologies:** HTML, CSS, JavaScript
- **Database Systems:** MySQL
- **Interested Area:** OOPS, DSA
- **Mathematical & Statistical Tools:** MATLAB, Excel
- **Other Tools & Technologies:** ANSYS, Catia, PLC, Solidworks, Robot studio

## HONORS AND AWARDS

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- **Gold Medal for Outstanding Academician** January 2022  
*TechnoRK-22 RKCE*
  - Awarded for excellence in academic performance and leadership during the 2021-22 academic year.
- **3rd Place in Python TechTalk** August 2023  
*Institute of Engineers VRSEC Student Chapter*
  - Awarded 3rd place, demonstrating proficiency in Python and effective technical communication
- **1st Place in Python Programming** September 2023  
*Institute of Engineers VRSEC Student Chapter*
  - Secured 1st place, showcasing strong coding and problem-solving skills

## CERTIFICATIONS

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- **NPTEL** - Cloud computing ,Privacy and security in Social media Certificate
- **SIEMENS - APSSDC** Basic Robotics, Basic Mechatronics Certificate
- **SRC E Solutions** - Industrial training with duration 6 months Certificate

## POSITIONS OF RESPONSIBILITY

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- **Coordinator, Volunteer, and Contributing Member at the IE, SAE, and ASME VRSEC Student Chapters** - facilitating event planning, technical workshops, and community engagement initiatives.
- **Diploma Students Coordinator** - leading event planning, student welfare initiatives, and mentoring programs to foster academic success and professional development

## EXTRA CURRICULAR ACTIVITIES

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- **Active Participant** in inter-college competitions, enhancing teamwork, leadership, and problem-solving skills.
- **Volunteer at AFOSEC 23-24** contributing to event planning and community outreach initiatives.
- **Attendee of a R&D Session** acquiring insights into innovative research methodologies and emerging technologies.

## STRENGTHS

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- Assertiveness
- Analytical reasoning
- Adaptability to Emerging Technologies

## 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 declare that the information provided above is true and best of my knowledge and belief.