

# RAKESH P

Kk Thanda Vijaynagara District

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## Education

**MS Ramaiah Institute of Technology**

**Dec. 2021 – Jul 2025**

*Bachelor of Technology(B.Tech)*

*Bengaluru, Karnataka*

## Relevant Coursework

- Data Structures
- Database Management
- Artificial Intelligence
- Machine learning

## Experience

**Konigtronics Pvt Ltd**

**Sep 2023 – Oct 2023**

*Artificial Intelligence Intern*

*Bengaluru, Karnataka*

- Engaged in AI research projects, contributing to algorithm development and experimentation. Assisted in data collection, preprocessing, and model training. Collaborated with team members to implement AI solutions, conducting tests and analysing results.

## Projects

### 1.ADAPTIVE AND INTERACTIVE BASED LEARNING(GOVERNMENT (KSCST) FUNDED PROJECT) |

- \* Creating a knowledge graph that maps the app's responses to the student's learning needs, ensuring that the chatbot provides accurate and relevant information to the student.
- \* Developing a personalized learning plan for each student, taking into account their strengths, weaknesses, and learning goals, and adapting the app responses accordingly.Improved student engagement and satisfaction, as measured through surveys and user Provided a personalized and engaging learning experience for thousands of students,helping them achieve their academic goals and develop valuable skills for success in the digital age.

### 2.Explainable AI for Predictive Maintenance:

Designed and implemented a surrogate-based framework for enhancing the interpretability of machine learning models in Predictive Maintenance (PdM) tasks.

### 3.RESEARCH PAPER1.A Surrogate Approach to Explainable AI for Predictive Maintenance:Techniques and Applications

## Technical Skills

Languages: Python, C,C++,SQL

## Extracurricular

**National Service Scheme (NSS)**

**Aug 2022 – Present**

*Student Co-ordinator*

*MSRIT*

\*Lead and coordinate community service activities, fostering teamwork and social responsibility among peers.

\*Organized events and workshops focused on social issues, contributing to community welfare and student engagement

**Department of Extra-Curricular Activities(DECA)**

**Aug 2022 – Present**

*Core Core Member*

*MSRIT*

\*Collaborated on planning and executing several college events, enhancing leadership and organizational skills.

\*Engaged in strategic decision-making, contributing to the growth and visibility of DECA initiatives.