

# Rishi Raj

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## Education

### Indian Institute Of Information Technology Ranchi

Expected graduation date: Jun 2025

Bachelor of Technology in Computer Science and Engineering

**GPA: 8.50**

Relevant Courses: Web Software Construction (JavaScript), Maths and Data Science (Python), OOP (C++), Security in Software Systems (Swift & Python), Algorithms and Data Structures I and II (C++)

## Experience

### Suvidha Foundation

Jan 2024 - Feb 2024

#### ML Intern

Research

- **Data Preprocessing:** Understand and preprocess the news article dataset, removing irrelevant information and standardizing format.
- **Summarization Approach:** Choose between extractive or abstractive methods based on the project and dataset characteristics.
- **Continuous Improvement:** Establish evaluation metrics, regularly assess and fine-tune the model, and stay updated on NLP advancements for effective text summarization.

### Teaching Profession

Jun 2021 - April 2023

#### Tutor

Take classes for Jee Mains and Advanced

- Proven expertise in offering specialized support to students with diverse learning needs, particularly in Math, Chemistry, and Physics.
- Utilizes a comprehensive approach, including identifying individualized learning styles and unique requirements for each student.
- Personal growth, tailored education, diverse learning, valuable insights, enriched journey.

## Projects

### FloraVision

Sept 2023 - Nov 2023

#### Identification of Medicinal Plants

- **Integration of Technology:** Advanced technology, specifically AI, is utilized to bridge the gap between nature and health.
- **Medicinal Plant Recognition:** The AI system is designed to identify medicinal plants based on images of their leaves.
- **Health Implications:** This technological integration holds the potential to enhance healthcare by swiftly identifying medicinal plants and their potential benefits.

### Glucometer

Aug 2022 - Sept 2022

#### Helps to check the diabetes of a person

- ML technology utilizes algorithms to analyze diabetes-related data like glucose levels, insulin doses, diet, and activity.
- The ML model processes this information to offer insights and predictions for improved diabetes management.
- It provides valuable recommendations, assisting individuals in effectively handling their condition.

### Text Summarization

Jan 2024 - Feb 2024

#### Convert long articles in short

- **Approaches:** Text summarization models can be extractive (selecting key sentences) or abstractive (generating new sentences).
- **Attention Mechanisms:** Models often use attention mechanisms to focus on crucial details in the input text.
- **Pre-trained Models:** Utilizing pre-trained language models, such as Pegasus, BERT and GPT, enhances summarization performance in terms of quality and fluency.

# Leadership and Volunteering

Smart India Hackathon

Oct 2023 - Nov 2023

## **Team Leader**

- Demonstrated adept leadership in strategizing and maintaining open communication channels, culminating in successful planning for the Smart India Hackathon.
- Earned the honour of representing our college in a highly competitive event, amidst a participant pool of 1000, underscoring the significance of this achievement.
- Played a pivotal role in showcasing our capabilities through meticulous planning, highlighting dedication to excellence and innovation.
- Through collaborative efforts, secured a notable position in the competitive event, solidifying our standing as a team committed to achieving milestones.

## Other

### **Languages:**

- English(native), Hindi(fluent)

### **Technical skills :**

- C++, DSA, Python, Javascript, HTML, CSS, ReactJs, NodeJS, ExpressJS, MongoDB, Tailwind, Pandas, Numpy, Machine Learning, Deep Learning, Mysql, MsExcel, MsPowerpoint, MsWord, Product Management

### **Certifications:**

[Data Science](#) || [Deep Learning](#) || [Backend Development](#) || [Product Management](#) || [Python](#)