

# Ayush Kumar

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JUNIOR UNDERGRADUATE · INDIAN INSTITUTE OF TECHNOLOGY, KANPUR

☎ (+91) 7992210719 | ✉ kumayu@iitk.ac.in | 📷 HELLbender01 | 🌐 kumayu0108 | 🏆 kaggle- ayushkumar0801

“Be the change that you want to see in the world. - M.K Gandhi”

## Education

Exp. 2023 **Bachelor of Technology**, Dept. of Computer Science and Engineering, IIT Kanpur, India *CPI: 9.00/10*  
May 2019 **Grade XII (AISSCE)**, DPS, Ranchi *Percentage: 94.0%*  
May 2017 **Grade X (AISSE)**, Loyola Convent, Ranchi *CGPA: 10/10*

## Achievements

Jun 2019 **AIR 128**, Joint Entrance Examination - Advanced, among 230,000 candidates *India*  
May 2019 **AIR 752**, Joint Entrance Examination - Mains, among 1.1 million candidates *India*

## Projects

### ML @ Kaggle

SUMMER PROJECT, PROGRAMMING CLUB IITK

May 2020 - July. 2020

- A project aimed at learning the basics and higher levels of machine learning through competitions on **Kaggle**
- Used PyTorch for building the models from scratch at first
- In the later part did sentiment analysis and Word Embeddings using Word2Vec

### Basic CP

SUMMER PROJECT, PROGRAMMING CLUB IITK

May 2020 - July. 2020

- Aimed to learn how to efficiently solve **Competitive Programming** questions
- The Project aimed to introduce and develop Programming skills and how to code with less memory and time complexity

### Deep Dive Into Hackathons (NLP)

HACKATHON, PROGRAMMING CLUB IITK

August 2020 - September 2020

- A series of deep Learning Hackathons
- Participated in the hackathon **Gendered Pronoun Resolution** on **Kaggle**

## Skills

**Programming Languages** C/C++, Python

**Frameworks** PyTorch, TensorFlow

**Robotics** ROS, OpenCV, Arduino

**Utilities**  $\text{\LaTeX}$ , Git, Autodesk Inventor

**Languages** English, Hindi, Punjabi

**OS** Linux(UBUNTU), Windows

## Relevant Coursework

<b>Computer Science</b>	Fundamentals of Computing, Data Structures and Algorithms
<b>Electrical Engineering</b>	Introduction to Electronics
<b>Mathematics</b>	Linear Algebra and Ordinary Differential Equations, Multivariable Calculus, Mathematics For Computer Science
<b>Coursera</b>	Algorithms In Graphs, Machine Learning With Python, Data Structure, Data Science in Python, Algorithmic Toolbox ( <i>Online Courses</i> )