





# AAYUSH ANUPAM

B.TECH CSE IIT MANDI

 [linkedin/Aayushanupam](#)  +91 6203074529  [aayushanupam6@gmail.com](mailto:aayushanupam6@gmail.com)  [b21077@students.iitmandi.ac.in](mailto:b21077@students.iitmandi.ac.in)

## PERSONAL PROFILE

Third-year CSE student with a strong passion for algorithms and machine learning. Proficient in Python, C++, and JavaScript. Seeking a software developer internship to apply the skills and contribute innovative solutions.

## EDUCATION

### B.Tech in Computer Science and Engineering (2021-25)

Indian Institute of Technology, Mandi (H.P.)  
Current CGPA 8.59

### Class XII (2020)

Vidya Sanskar School, Patna  
95.8%

### Class X (2018)

St. Michael's High School, Patna  
97.4%

## TECHNICAL SKILLS

### • Programming Languages

C/C++, Python, HTML, CSS,  
JavaScript, PHP, MySQL

- Deep Learning
- Neural Networks
- Data structures and Algorithms
- Object Oriented Programming

- Node.js
- MongoDB
- Express.js
- Tensorflow

## PROJECTS

### • American sign language detection (Convolutional Neural Networks)

The machine learning model employs the Tensorflow library to build convolutional layers and correctly classifies a conventional hand gesture into the correct alphabet according to the American Sign Language (ASL).

### • Railway track detection (Computer Vision: YOLOv5 - Object Detection).

Visual data collected manually and then preprocessed. Sleepers of railway track were detected using YOLO object detection and PyTorch library for automatic drone maneuvering.

### • Inventory Management System (HTML, CSS, JavaScript, PHP, SQL, Bootstrap).

The system lets vendors store their inventory information and also has login and signup functionalities. Customer database can also be maintained. PHP works as the backend language which executes mySQL queries to update the database when different events are triggered.

## CERTIFICATIONS AND ACHIEVEMENTS

### • Neural Networks and Deep Learning

(Coursera) [Certificate](#)

### • Improving Deep Neural Networks: Hyperparameter tuning, Regularization and Optimization

(Coursera) [Certificate](#)

### • Structuring Machine Learning Projects

(Coursera) [Certificate](#)

JEE Advanced 2021

All India Rank: 2935

JEE Main 2021

All India Rank: 5304

## ADDITIONAL ACHIEVEMENTS AND ACTIVITIES

- Semester exchange student to TU Munich (Germany) for 5th semester
- Core team member: Quosity (Quizzing Club IIT Mandi) (2022-23)