

## Education

### Masters of Technology

Information Technology(IT)

CGPA: 8.3

IIIT, Allahabad  
July 2022 – July 2024

### Bachelor's of Technology

Computer Science and Engineering

Percentage: 74

Uttarakhand Technical University  
August 2017 – September 2021

### Higher Secondary Education

CBSE

Percentage: 70

Siliguri Model High School  
2017

### High School

WBBSE

Percentage: 84

Kharibari High School  
2015

## Research

### Enhanced Resource Allocation in Business Processes Using Reinforcement Learning Techniques

Thesis

Transformed raw event log data into a Markovian Decision Process framework, enabling the application of reinforcement learning algorithms for resource allocation optimization.

Developed and implemented machine learning models (CNNs, RNNs, XGBoost, LightGBM, CatBoost) to predict optimal resource allocation in business processes, achieving up to 45% reduction in task execution time.

## Project

### Counterfeit Banknotes Detection

Machine Learning

Classifying a banknote as fake or genuine based on the given dataset from the UCI machine learning repository. Different algorithms such as Logistic Regression, Support Vector Machine and RandomForestClassifier have been used.

### MERN Notebook Web Application.

Web Development

Developed a MERN stack web application for creating, storing, and managing digital notebooks on the cloud. Users can create, edit, and collaborate on notebook seamlessly.

Tech stack: MongoDB, Express, and NodeJS

## Skills

### Programming Languages

C++, C, Python, SQL

### Subjects

Machine Learning, Deep Learning, Operating System, Object Oriented Programming, DBMS, DSA

### Soft Skills

Innovative Thinking, Attention to Details, Teamwork and Leadership

## Achievement

AIR 1766 GATE rank among 77,257 candidates(98 percentile).

Member of M.Tech. Training and Placement team IIITA.