

# Amaan Khan

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## EDUCATION

### Indian Institute of Information Technology, Kalyani

Bachelor in Technology(B.Tech) - Computer Science and Engineering

AUG 2019 - JUN 2023

Cumulative GPA : 8.4

### Sri R.S.G. Inter College, Bindki

HSC - Maths, Physics, Chemistry

JUL 2016 - MAY 2018

Percentage - 88.8 %

## EXPERIENCE

### Winter of Code - Student Member(GDSC-IIIT Kalyani)

JAN 2021 - MAR 2021

- Tabular ML (Built an end-to-end ML system for tabular datasets).
- Used multilinear regression on **Titanic** dataset to predict about a passenger's living status.

## TECHNICAL SKILLS

### Core Subjects

- Data Structures & Algorithms, DBMS, OOPS, Operating System, Machine Learning & AI

### Languages

- Python(Numpy, Pandas, Matplotlib, Tkinter, OpenCv), C++, C, SQL, HTML5, CSS3

### Developer Tools and Technologies

- VS Code, Jupyter Notebook, NetBeans, MySQL Workbench, Oracle Apex, Git&Github

## PROJECTS

### Diabetic Retinopathy Detection [\[Github Link\]](#)

FEB 2022 - APR 2022

- Built and trained a Machine learning model to detect diabetic retinopathy.
- Model will classify the types of diabetic retinopathy from retina fundus image.
- **Tech Stack Used: Python, OpenCV, Machine Learning, Tkinter**

### Student&Course Management System [\[Github Link\]](#)

NOV 2021 - DEC 2021

- An authenticated Student and Course Database Management System for IIIT Kalyani.
- It can register students in realtime and manages courses of existing students.
- We can also generate the gradesheet of any particular student.
- **Tech Stack Used: Python, SQL, MySQL Workbench, Tkinter**

### Realtime Human Detection&Counting [\[Github Link\]](#)

SEP 2021 - NOV 2021

- A Human object detection based project using various detection techniques.
- Plotting population and detection accuracy graphs and preparing a PDF report based on the data.
- **Tech Stack Used: OpenCV, Tensorflow, PIL, Tkinter, Matplotlib**

### Spam or Ham [\[Github Link\]](#)

JAN 2022 - FEB 2022

- A Logistic Regression Model using a spam collection Dataset to predict a message as SPAM or HAM.
- Make the trained model able to classify a custom input message as SPAM or HAM.
- **Tech Stack Used: Python, Machine Learning, Logistic Regression, Scikit-learn, Pandas**

## AWARDS/CERTIFICATIONS

### Mathematics Award

JUN 2018

- Received for achieving the highest mathematics grade throughout the school year (grade received: 99%)

### Coding Award

- [Codacharya 2021 - 2nd Prize Winner](#)

### Skill Certifications

- [Prolem Solving](#) ○ [SkillUP](#) ○ [Python](#) ○ [Machine Learning](#)

## INTERESTS/HOBBIES

- Competitive Programming ○ Open Source