

# Amaan Khan

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## Education

<b>Indian Institute of Information Technology, Kalyani</b> <i>B.Tech. Computer Science and Engineering</i>	<b>2019 – 2023</b> <i>CGPA till Sem - 5 : 8.3</i>
<b>Sri R.S.G. Inter College, Bindki</b> <i>HSC - Maths, Physics, Chemistry</i>	<b>2016 – 2018</b> <i>88.8 %</i>
<b>S.V.S. Inter College</b> <i>SSC</i>	<b>2015 - 2016</b> <i>82.5 %</i>

## 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, C++, C, Java, 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 - APRIL 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, manages courses of an existing students and can generate gradesheet of a 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** **June 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