Amaan Khan

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EDUCATION

Indian Institute of Information Technology, Kalyani | **AUG 2019 - JUN 2023**

Bachelor in Technology(B.Tech) - Computer Science and Engineering | Cumulative GPA : 8.4

Sri R.S.G. Inter College, Bindki | **JUL 2016 - MAY 2018**

HSC - Maths,Physics,Chemistry | 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