

# ANISH KUMAR KHARWAR

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## Projects

- **Anomaly detection using Gaussian Distribution model |**  
Python, Gaussian Distribution |  
(<https://github.com/anishk74/Pulsar-Stars-classification>)  
Implemented a Gaussian distribution model to predict Pulsar stars in an unbalanced dataset of astronomical objects, achieving an F1-score of **0.8551** on the test set.
- **Real-time Motion Detection and Notification |**  
Python, Firebase |  
(College Project)  
Implemented motion detection script as well as an android app to inform user about motion under a camera frame through a notification on the android app in real time, in a team of 3 members.
- **Maze-Solver |**  
Python, Open-CV, DFS |  
(<https://github.com/anishk74/Maze-Solver>)  
Considering a maze as a graph of connected vertices, implemented a maze path-finder to get the solution of a maze using DFS(Depth-First-Search).
- **File compressor |**  
C, Huffman Coding |  
(<https://github.com/anishk74/File-Compression>)  
Built a file compressor in C using Huffman Coding algorithm which reduces the file to **60%** of its original size. Comes with a decompressor to get back the original file.
- **Expert System for Medical Diagnosis |**  
Java, Swing, MySQL |  
(College Project)  
Designed a Desktop-Application using Swing which provides medical prescription for diseases based on symptoms from a stored database in a team of 2 members.
- **Personal Website |**  
HTML5, CSS3, JavaScript |  
(<https://github.com/anishk74/anishk74.github.io>)  
Developed a front-end for myself based on Mobile-First-Design.

## Education

2017 - Present

Bachelor of Technology  
Computer Science and Engineering  
Indian Institute of Information Technology,  
Kalyani  
Cumulative GPA: **8.25**

## Skills

Python, C++, C  
HTML5, CSS3, JavaScript  
OCTAVE/MATLAB  
SQL, Firebase

## Interests

- Computer Vision
- Machine Learning
- Data Structures
- Algorithms

## Familiar with

- Android Development
- Web Development

## Coursework

- Machine Learning
- Artificial Intelligence
- Computer Vision
- Algorithms
- Data Structures
- Operating Systems
- Compiler Design
- Discrete Mathematics
- Probability & Statistics