

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 |
(Academic 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 |
(Academic 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