

ARAVIND RAMANATHAN

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Education

- PSNA College of Engineering and Technology
Bachelor of Engineering in Computer Science
CGPA: 8.59 Sept 2019 – Present
- Karaikudi Maharishi Vidya Mandir Matric Higher Secondary School
Class 12 with Percentage: 81.33 June 2018–Mar 2019
- Karaikudi Maharishi Vidya Mandir Matric Higher Secondary School
Class 10 with Percentage: 94.6 June 2016–Mar 2017

Skills

Languages: C, Python, SQL
Technologies: AWS, Computer Networks, Git.

Projects and Courses

Projects:

Surveillance System based on OPENCV

- Project is done using OPENCV library which I have used Python in my case.
- I have used RTSP Protocol to stream the live footage from the IP Camera.
- The received footage will be processed by OPENCV to detect the face and body and alert the user by email in my case.
- Sending email is done by SMTP Protocol which is the standard communication protocol for electronic mail transmission.

Future updates:

- As of now it will recognize every face and body that passes through it but in future it will save faces and store it to send alert only if unknown person passes through it.
- It will have GUI to make the project more user friendly to the users.

Courses:

- CS50's Introduction to computer science by Harvard University
- Introduction to Networking by Maria Kuriata
- Oracle SQL – A Complete Introduction