

# AVINASHKUMAR M

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## Career Objective

Hardworking individual looking for internship experiences from a company that will benefit immensely from data science experience necessary for high-tech solutions.

## Educational Qualification

S.no	Qualification	University/Board	Institute/School	Month & Year of Passing	Percentage / CGPA
1	B.E., CSE	Affiliated to Anna University	Bannari Amman Institute of Technology		8.72*
2	HSC	Tamil Nadu Board of Secondary Education	K.R.P Matric Hr. Sec. School	March 2017	85.33
3	SSLC	Tamil Nadu Board of Secondary Education	K.R.P Matric Hr. Sec. School	April 2015	95.6

\*-Till 4<sup>rd</sup> Semester

## Additional Qualifications

- Certified in BEC [Business English Certificate] preliminary exam by Cambridge University in October,2018.

## Area(s) Of Interest

Software Development , Data Science

## Computer Skills

- Jupyter Notebook, Spyder3, pycharm
- PyCharm
- C,C++,Python, Java, C#, R
- Machine learning, Computer Vision
- Microsoft visual Studio 2018
- Microsoft blend

## Project

**1. Title:** Bed fall detection

**Duration:** April 2019 - June 2019

**Team size:** 3 members

**Role played:** Supervisor and Developer

**Skills used:** Machine Learning, Computer Vision, Python

By using computer vision, It will detect the fall of the patients or old people from bed. By analyzing the movement of the person it can predict whether the person is going to fall or not. I used haar cascade classifier for object detection with my own trained model.

**2. Title:** File Explorer with python

**Duration:** December 2018 - January 2019

**Team size:** 3 members

**Role played:** Developer ,Designer ,Tester

**Skills used:** Python with pygame

Used pygame as platform to develop this project. The game like UI is generated with pygame. Then an additional features as move multiple files at different source location can be moved to different destination location path at the same time like other file explorer. This main aim of this project to provide tool for cleaning the tedious allocation of file and folder in the computer

**3. Title:** Vehicle Count Detection

**Duration:** March 2019 - March 2019

**Team size:** 2 members

**Role played:** Tester

**Skills used:** python, Computer vision

By using background Subtraction method the vehicle count is established in this project. The no of vehicles entered and exit in the path is calculated.

4. **Title:** Data Visualization using R programming

**Duration:** February 2018 - March 2019

**Team size:** 3 members

**Role played:** Backend programmer

**Skills used:** R programming with Shiny Framework, machine learning

The data set which describes about the minerals in India is collected. The data is analyzed and Linear Regression is applied to prediction. The data graphs are visualized in web based applications.

5. **Title:** Face detection and password lock system for files protection

**Duration:** 5 August 2019 - 15 September 2019

**Team size:** 3 members

**Role played:** Backend programmer

**Skills used:**

we used c# as a base for design UI. Salted hashing encryption  
For password encryption. Face recognition technique with machine learning.  
Sqlite as database.

## Co-Curricular Activities

- Presented a paper titled “**Student Management and surveillance with computer vision using YOLO v3**” in the Contest Conducted at Kongu Engineering College of Engineering.
- Presented a paper on “**Traffic Management**” in the GCT College of Technology.

## Extracurricular Activities

- Won 1<sup>st</sup> prize in DUFURWA 2K18, a **Sketch Competition** held at Bannari Amman Institute of Technology.
- Won 1<sup>st</sup> prize in CANCER AWARENESS **Sketch Competition** held at Bannari Amman Institute of Technology by YRC club.

## Hobbies

- Creating Small version of software for my own purposes.
- Developing automating softwares.

## Internship

Selected as an intern in bluescheme.ai, Chennai for duration of 3 months ( 22 July 2019 - 30 Oct 2019 )

## **Personal Details**

Father's name: Murugan M

Date of Birth: 23.02.1999

Gender: Male

Languages Known: Tamil, English, Hindi[R,S]

Marital status: Unmarried

## **Reference**

Dr.A. Bazila Banu

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Dept of CSE,

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