



# Ashwin S

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## Career Objective

- Seeking a challenging position in a progressive organization with an environment where in my initiative for personal and professional development will contribute to achieve the goals of the organization

## Education

- B.Tech/Information Technology** 2023  
K S Rangasamy College Of Technology,Tiruchengode  
8.11
- HSC** 2019  
URC Palaniammal Matric Higher Secondary School,Erode  
74.3
- SSLC** 2017  
Kongu National Matric Higher Secondary School,Erode  
89

## Skills

- Languages :: C,Java
- Frontend Technologies :: HTML, CSS
- Database :: MySql

## Projects

- Crime Detection Using Machine Learning**  
Technology Used :: Machine Learning and Data visualization  
  
Software Used :: IntelliJ IDEA  
Project Details ::  
Created an Android Application to predict the Crime rate using data visualization. Application is spread across 3 modules. Each Module consists of data from previous years, to help predict data about the upcoming crime.  
  
1)Featured Attributes:
  - Case number of each incident
  - Type of the crime  
Above are the target labels / data that we need to collect in the classification stage
  - \* Brief note describing any pertinent details of the crime
  - \* Day of the week that crime occurred
  - \* Police Department district ID where the crime is assigned
  - \* The approximate street address of the crime incident  
2)Data Preprocessing:  
Before implementing any algorithms on our datasets, a series of preprocessing steps are performed for data conditioning as presented below:
  - \* Time is discretized into a couple of columns to allow for time series forecasting for the overall trend within the data

\* For some missing coordinate attributes in our datasets, we inputted random values sampled from the non-missing values, computed their mean, and then replaced the missing ones

### 3) Narrative Visualization:

\* Considering the geographic nature of the crime incident,dataset was used for data visualization, where crime incidents are clustered according to their attribute information like latitude and longitude information

\* The distribution of police stations in each city, along with numbers for crime hot-spots and the associated number of incidents are derived

## Co Curricular Activities

- Co-ordinated the NeoCodeathon conducted by K S Rangasamy College Of Technology
- Successfully completed courses in learnathon & Skilledge conducted by ICT academy

## Certification

- Successfully completed in Blockchain Technology certification conducted by Infosys 2021
- Completed Robotic Process Automation(RPA)- Introduction course conducted by Automation Anywhere University

## My Strengths

- Quick Learner
- Good Listener