

BALAJEE A V

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OBJECTIVE

To use my specialized and tremendous abilities for strategizing and building up the best execution in an organization by utilizing inventive thoughts, aptitudes, and inventiveness for achieving ventures

EDUCATION

K.L.N.COLLEGE OF ENGINEERING

Bachelor of Engineering

Electronics and Communication

Cumulative GPA: 8.81(Present)

Relevant Coursework: Digital Electronics , Microprocessors and Microcontrollers ; Digital Image Processing

Sivaganga,TN

Aug 2019 - Jun 2023

VELAMMAL VIDYALAYA CBSE

Higher Secondary, HSC

Computer Science - PCM

Percentage: 71.4%

Madurai,TN

May 2019

VELAMMAL VIDYALAYA CBSE

Secondary School, SSLC

Cumulative GPA: 9.0/10

Madurai,TN

Jun 2017

WORK EXPERIENCE

MICROSOFT

Data Science Intern

Remote, TN

Nov 2021 - Feb 2022

- Learned and Developed Machine Learning Algorithms based on Image Classification and Recognition
- Multiplexed different Datasets for enhancing TRAFFIC SIGN CLASSIFICATION
- Implemented Data Compression Algorithm on Bit Swap Method
- Analyzed and Trained the ML models based on Prediction Techniques
- Reported Bugs on Search Engine results and Optimized using Predictive Analysis

MINI PROJECTS

MULTI LEVEL BIOMETRIC ATM

Jun 2022

- Designed and implemented in Hardware with 2-person team using Python and Raspberry Pi in IIPC Project
- It can recognize up to 3000 Users and stores the information in the authenticated database

TRAFFIC SIGN CLASSIFICATION

Jun 2021

- Designed and implemented in Python and Open-CV
- It is used in Automated Driving vehicles which can handle 3 different mechanisms like Path Correction, Traffic Signs detection and Distance between two vehicles to avoid accidents.

AES ENCRYPTION AND DECRYPTION

Mar 2020

- Designed and implemented in C++
- It is most efficient algorithm for securing sensible data from attackers , here we used 128-bit configuration for enhancing the security

ADDITIONAL

Technical Skills: C & C++, Python, React JS, Verilog

Certifications & Training: Google Professional Cloud Security Engineer, NPTEL System Design through Verilog

Awards: District Level Chess Competition ranked 2nd out 500 players (2013)

Non-Technical Skills: Microsoft Excel, Photo and Video Editing

Interests: Information Technology and Cybersecurity, VLSI Design and Hardware Programming