

Rutik Rasik Darda

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EDUCATION

San Jose State University

Master of Science - Computer Software Engineering

August 2023 -- Present

San Jose, U.S.

PVG's College of Engineering and Technology

Bachelor of Engineering – Computer - **GPA - 3.91**

April 2018 -- May 2022

Pune, India

TECHNICAL SKILLS

Languages: C, C++, HTML, CSS, JavaScript, React, Python, Java, SQL

Developer Tools: VS Code, Google Colab, Cisco Packet Tracer, JS Bin, MySQL, MS Office, IntelliJ Idea

Technologies/Frameworks: Windows, Linux, GitHub, ReactJS, NodeJS, Git

PROJECTS

Smart Road Lane Detection System - HTML, CSS, Python, OpenCV, Java, Linux OS

May 2022

- Captured 60 images per second through mounted camera and converted it to grey scale by leveraging OpenCV and Canny Edge Detection for processing and detecting road lanes.
- Deployed Hough Line Transform algorithm which superimposed lines on road lanes and driver was notified when car drifted out of lane using a buzzer, within 1 second.
- Identified road signs and zebra crossing within 100 meters with 70 percent accuracy.

Smart Grocery Manager - HTML, CSS, JavaScript, Python, Android Studio, Java, Linux OS

Dec 2020

- Developed an Android application which helped user in creating and maintaining grocery lists. User could enter upto 100 product's information, such as expiry date and quantity for future purchase.
- Notified user 2 days prior expiry date of item using a message in notification shade.
- Interfaced in a simplistic and user-friendly manner targeted for devices with minimum specifications (Android version 4 and above).
- Demonstrated 4 main operations (CRUD) in depth using this basic application.

SEMINAR

Phishing Email Detection

May 2022

- Introduced what is Phishing with 2 examples and why it is necessary to tackle it in present world.
- Introduced 10 + types of Phishing with their respective examples.
- Explained what is Email Phishing in depth and how to identify it with 2 real life examples.
- Demonstrated 4 easy ways of sensing and tackling Email Phishing.
- Explained workings of Multilevel Vectors and Attention mechanism on 2 components of email in brief.

COURSEWORK

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|--------------------------------|-------------------------------------|------------------------------|-------------------|
| • Data Structures & Algorithms | • Database Management System (DBMS) | • High Performance Computing | • Web Development |
| • OOPS Concept | • Computer Networks | • Machine Learning | • Data Analytics |
| • Operating Systems | • Cloud Computing | • Artificial Intelligence | • Data Mining |

CERTIFICATIONS

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|--|---|
| • Meta Professional Front-End Developer – Coursera | • IBM Tools for Data Science – Coursera |
| • Networking Essentials - CISCO Networking Academy | • IBM What is Data Science – Coursera |
| • IBM Data Science Methodology - Coursera | • Introduction to SQL - Skillup |
| • Advanced CPP - IIT BOMBAY | |