

# KAMINENI BALAJI

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## EDUCATION

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### Institute of Aeronautical Engineering

Bachelor of Technology(B Tech.) in Electronics and Communication Engineering(ECE)

Aug 2019 – Jul 2023

CGPA: 7.67 / 10

## EXPERIENCE

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### IARE

DSA Coordinator

Nov 2023 – Present

Hyderabad, Telangana

- I have joined IARE College as a DSA (Data Structures and Algorithms) coordinator, where I'm conducting Bootcamps on Python, Java, and DSA.
- Additionally, I provide career guidance and assistance with placements to pre-final and final year students.

### Virtusa

PL/SQL Developer Intern

Jun 2023 – Sep 2023

Hybrid

- Developed and contributed to a comprehensive PL/SQL banking application as a part of a dynamic team at Virtusa.
- The project aimed to enhance banking processes and customer experiences through efficient data management and secure transaction handling.
- Designed, implemented, and optimized PL/SQL database procedures, functions, and triggers to support core banking functions, including customer data management, account transactions, and report generation.
- Played a key role in data modeling and database schema design, ensuring data integrity, optimal performance, and adherence to industry best practices.

## PROJECTS

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### Recognizing intensities of Facial Emotions | Python, Keras, Opencv, ML, Django

Nov 2022 – May 2023

- \* Developed an emotion recognition system using Convolutional Neural Networks (CNNs) to automatically detect and classify human emotions from facial expressions.
- \* The project aimed to enhance human-computer interaction and had real-world applications in user experience and mental health.
- \* Meticulously designed and implemented a deep learning model employing CNNs, with a focus on optimizing its architecture for superior emotion recognition accuracy. The model was trained and evaluated on the FER 2013 dataset, consistently achieving a commendable validation accuracy

### Lane Detection Using Python | Python, OpenCV, NumPY, Tensorflow

Sep 2021

- \* Lane Line detection is a critical component for self driving cars and also for computer vision in general.
- \* This concept is used to describe the path for self-driving cars and to avoid the risk of getting in another lane.

### Banking Application system | Java, J2EE, JDBC, Servlets, JSP, XML, HTML

Jan 2022 – Apr 2023

- \* This Project is a web based solution for managing various banking operations.
- \* Some of the operations developed in this project are user authentication and security, account management, transaction processing, Front-End Interface and Deployment into Apache Tomcat

## TECHNICAL SKILLS

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**Languages:** Java Python, SQL , Java Script, MATLAB, R, C

**Databases:** MySQL, Oracle(SQL,PL/SQL), MongoDB

**Web Technologies:** Html, CSS, XML, Servlets, JSP

**Areas of Interest:** Algorithms, Web Design and Development, cloud operations & Security, Problem solving

**Miscellaneous:**Business Intelligence, Data Analytics, Data Science, DSA, OOPS, DBMS

## LEADERSHIP / EXTRACURRICULAR

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### TEDx IARE

Organizer

Nov 2022 – Jan 2023

IARE

- \* Orchestrated the successful TEDx event at IARE, overseeing logistics, planning, and speaker selection, resulting in an inspiring platform that ignited innovation and empowered 1000+ individuals through impactful talks.