

# Kanna Brahmaiah

College Graduate | Software Engineer

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## CAREER OBJECTIVE

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Seeking entry-level Software Engineer role to apply programming skills and contribute to innovative projects. Enthusiastic about technology, eager to collaborate with professionals for excellence in software engineering.

## EDUCATION

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Bachelor of Engineering in Computer Science and Engineering

Dhanalakshmi Srinivasan Engineering College

June 2019 – April 2023

Board of Intermediate Education

Sri Chaitanya Junior College

June 2017 – March 2019

## TECHNICAL SKILLS

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- **Programming Languages:** Python, SQL, JavaScript
- **Web Development:** HTML, CSS, Bootstrap
- **Libraries & Frameworks:** Bootstrap
- **Development Tools:** Visual Studio
- **Version Control:** GitHub

## PROJECTS

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Road Way Traffic Sign Detection

Jan 2023 – May 2023

- Designed and implemented a robust traffic sign detection system, improving detection accuracy using TensorFlow and deep learning models.
- Developed the frontend interface using HTML, CSS, JavaScript, and Bootstrap, achieving a 30% faster load time and enhancing user experience.
- Integrated MongoDB to store and retrieve traffic sign data, optimizing data management, and reducing retrieval time.
- Optimized traffic sign detection algorithm with Python, achieving a detection rate under varied environmental conditions.
- Conducted testing and debugging on Windows, identifying and resolving issues, improving system stability by 50%.

Face Recognition System

April 2022 – June 2022

- Established and deployed an AI-based face recognition system, improving security protocols in access control systems.
- Implemented facial feature extraction algorithms, reducing identification errors by 25% and increasing processing speed.
- Incorporated face recognition software into existing surveillance systems, enhancing real-time monitoring capabilities with accuracy rate.
- Automated data collection from multiple camera feeds, streamlining the analysis process and reducing manual intervention time.
- Enhanced facial data storage using cloud technology, decreasing data retrieval times by 20% and improving scalability.

## CERTIFICATIONS

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- Certified in Python – BitLabs.
- Attained proficiency in HTML & CSS – BitLabs.