

# ABHAY KRISHNA AC

Naduvannur, Calicut, Kerala

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## EDUCATION

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### Cochin University of Science and Technology

Masters in Computer Application

Current GPA: 9.67

*April 2024*

### University of Calicut

Bachelor of Science in Mathematics

GPA: 7.29

*March 2022*

## PROJECTS

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### Flutter App for Oral Cancer Detection

*Flutter (Dart) — Django (Python)*

Developed a mobile application using Flutter to facilitate oral cancer detection. The app integrates a machine learning model for oral cancer detection, which was developed using Django on the back-end.

### Emotion Detection using Deep learning

*Python — OpenCV — TensorFlow — Keras*

Developed an emotion detection model using machine learning to classify facial expressions into different emotion categories. The project utilizes the FER2013 dataset for training and employs Convolutional Neural Networks (CNN)s for image classification.

### Real-time Chatting Application

*React — Firebase*

Developed a real-time chatting web application using React and Firebase, enabling users to express emotions through chat messages using emojis. The app incorporates an emotion detection feature utilizing my machine learning model. This model analyzes user images to identify the associated emotion and then converts it into an appropriate emoji for the chat message.

## TECHNICAL SKILLS

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### React

Component-based architecture, State Management, RESTful API Integration

### Machine Learning Expertise

Data Preprocessing, Deep Learning, Deployment and Scalability

### Flutter Development

Navigation and State Management, API Integration

## PROGRAMMING LANGUAGES

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- Python
- Java
- C

## SOFT SKILLS

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- Problem Solving
- Adaptability
- Critical Thinking
- Leadership