

Buthuru Venkat Reddy

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Professional Summary:

Computer Science graduated with strong skills in **Data Structures & Algorithms**, and full-stack development using the **MERN** stack (MongoDB, Express.js, React.js, Node.js). Proficient in **Python** and **JavaScript**, with experience building scalable web applications, integrating **RESTful APIs**, and deploying cloud-based solutions. Seeking a Software Developer role to contribute to impactful real-world projects in an Agile environment.

Technical Skills:

Programming: Python, JavaScript, HTML, CSS

Frameworks / Libraries: React.js, Node.js, Express.js, TensorFlow, OpenCV, Keras

Databases: MongoDB, SQL

Tools: Git, Postman, Github, Cloudinary, Jupyter Notebook, VS Code, AWS

Concepts: OOPS, Data Structures & Algorithms, REST APIs, Low Level Design, Operating systems, CN

Internship- Embrizon Technologies:

Jun 2024 – Aug 2024

Role: Machine Learning Intern

- Built an image classification model using **Convolutional Neural Networks (CNN)** in **TensorFlow** and **Keras**
- Applied core ML techniques such as **Transfer learning** and **data augmentation** to improve model performance
- Evaluated the model using metrics like **accuracy, precision, recall, and F1-score**
- Collaborated with the development team to deploy the ML model into a production pipeline using **Python APIs**

Projects:

1.Text-to-Image AI Application (SaaS App) using MERN Stack

March 2025 - April 2025

Github: [Text to Image AI](#)

- Developed a full-stack SaaS application using **MongoDB, Express.js, React.js, and Node.js**
 - Integrated Text-to-Image API to convert user input into AI-generated images
 - Managed authentication, image storage with **Cloudinary, API logging and 500 + prompts Tested**
 - Used **Postman** for testing and deployed to a cloud environment and **Reduced loading time by 20%**
- Technologies:** React, Node.js, Express.js, MongoDB, REST API, Cloudinary, Postman, JavaScript, HTML, CSS.

2. Real-Time Emotion Recognition

Jan 2024 - March 2024

Github: [Real Time Emotion](#)

- Built a real-time emotion detection system using **TensorFlow** and **OpenCV**
 - Used **CNN** for face emotion classification from live webcam feed
 - Integrated **GUI** for user interaction and real-time feedback and increasing fast recognition **speed by 2 seconds**.
 - Delivered **real-time inference speed < 100 ms**, making the system responsive and user-friendly
- Technologies:** Python, TensorFlow, OpenCV, CNN, Deep Learning, Machine Learning, Real-Time Processing.

Education:

Alliance University

Aug 2021 – May 2025

Bachelors in Computer Science

Percentage – 68 %

Achievements & Certification:

LeetCode: Solved 400+ problems, ranked in the top 10% globally. Profile: <https://leetcode.com/u/buthuruvenkat/>

IBM Certification: Introduction to Web development with HTML, CSS, JavaScript, Certificate: [Link](#)

Meta Certification: Capstone(React App), Certificate: [Link](#)

AWS Certification: AWS Cloud Technical Essentials, Certificate: [Link](#)