

# Pranitha Bollepalli

✉ pranithabollepalli20@gmail.com

☎ 3143058738

📍 Saint Louis, US

in [www.linkedin.com/in/pranitha-bollepalli-3304b8194](https://www.linkedin.com/in/pranitha-bollepalli-3304b8194)

🌐 <https://github.com/BollepalliPranitha>

## Profile

---

Enthusiastic and dynamic professional with a solid background in computer science and a passion for innovative technology solutions. Specialized in Parallel and Distributed Computing, equipped with expertise from research and industry experience. Recognized for elevating SaaS product performance and leading cross-functional teams to enhance deployment efficiency. Strong skills in web technologies, programming languages, and database management. Excited about contributing to cutting-edge projects as a full stack developer in a mission-driven organization.

## Professional Experience

---

Saint Louis,  
United States

### Tech Lead – MeltShiny (Open Source Project)

*Saint Louis University*

- Led the development of MeltShiny, a Shiny app for analyzing DNA/RNA molecule behavior.
- Managed a diverse team of contributors, ensuring code quality and efficient workflows.
- Implemented key features, resolved UI/UX issues, and improved app reliability.
- Participated in Hacktoberfest to promote collaboration and external contributions.

2024/06 – present

### Student Worker

*AI CHESS LAB*

- Developing an automated labeling system to classify waste items from images into categories such as plastic, paper, metal, glass, and organic waste.
- Implemented a detailed labeling process. Labelled 9000 images.
- Utilized data validation techniques to map and correct labels
- Currently building a machine learning model to improve the accuracy of waste classification

2024/01 – present

### Research Assistant

*Omni Computing Lab*

Enhanced the lab's research capabilities in Parallel and Distributed Computing, improving project outcomes by 15%.

Pioneered a breakthrough in Parallel and Distributed Computing, increasing research productivity by 20% by specializing in Parsec and DPlasma.

2023/10 – 2023/11

### Data Analyst

*Internship at Excelerate*

- Leverage human visual perception to communicate with data using visualizations.
- Create effective visualizations that address key business questions.
- Design audience-appropriate data presentations aligned with best practices in visualization.
- Awarded as a star performer for consistently outstanding contributions.

2021/08 – 2023/08  
Hyderabad, India

### Packaged App Development Associate

*Accenture Solutions Private Limited*

- Achieved 25% increase in user satisfaction and operational efficiency by elevating SaaS product performance.

- Increasing product quality and team productivity by 30% with innovative testing strategies.
- Developed testing strategies for software projects to elevate product quality and productivity.
- Enhancing deployment efficiency by streamlining application releases with cross-functional teams.
- Reducing production errors by 50% through meticulous software deployment processes.

#### **Ambassador**

Secured Campus Ambassador internship at Quark , BITS Pilani Goa through Internshala

## **Education**

---

2023/08 – 2024/12 Saint Louis, United States	<b>Masters in Computer Science</b> <i>Saint Louis University</i>
2017/06 – 2021/06 Hyderabad, India	<b>Bachelors of Technology in Computer Science and Engineering</b> <i>Sreyas Institute of Engineering and Technology</i>

## **Projects**

---

### **Color Detection using OpenCV**

Color detection involves identifying every shade of a color, particularly beneficial for individuals with color blindness. This application allows users to obtain the name of a color automatically by clicking on the image pixel.

### **Object Detection with voice sensor and Cartooning the Image**

Object detection encompasses identifying objects within an image, coupled with a voice sensor that converts annotated text to speech and cartoonists the image. This primarily employs the advanced Object detection approach known as YOLO (You Only Look Once). Cartooning an image involves transforming it into a cartoon representation, akin to the beautification or AI effects found in modern mobile phone cameras.

## **Publications**

---

### **Object Detection using Voice Sensor and Cartooning the Image**

*International Journal of Advanced Trends in Computer Science.*

The research paper titled "Object Detection using Voice Sensor and Cartooning the Image" was featured in the International Journal of Advanced Trends in Computer Science.

The publication delves into the fundamental concept of object detection, encompassing various computer vision tasks related to identifying objects in digital photographs.

## **Skills**

---

### **Languages**

C language, C++, java, Python,  
Selenium, UFT, Manual Testing, Cucumber, XUnit.

### **Tools**

Excel, Word, Tableau.

### **Web Technologies**

HTML5, CSS3, JS

### **Databases**

MY SQL, Oracle SQL

## **SOFT SKILLS**

Optimistic, Confident, Task Oriented team player,  
Positive attitude

## Certificates

---

- Cisco certificate in C Language.
- Introduction to CSS3 certificate from University of Michigan
- Introduction to Python certificate from University of Michigan
- Getting Started with Devops certification from SkillUP – Simplilearn
- HTML5 certificate from University of Michigan
- Java script certificate from University of Michigan
- Automation Prime certification

## Github Project Links

---

<https://github.com/oss-slu/MeltShiny> - Open Source SLU Project

<https://github.com/BollepalliPranitha/IdeaForgeBoard> - Idea Forge Board (Collaborative White Board)