

BALAJI DAMARLA

📍 Hyderabad, Telangana

☎ [+91-9014357380](tel:+91-9014357380)

✉ damarlabalaji22@gmail.com

🌐 [Balaji Damarla](#)

EDUCATION

Sree Dattha Institute of Engineering and Science, Ibrahimpatnam 12 2021 – 06 2025
B.Tech – Computer Science and Information Technology – CGPA – 7.6 *hyderabad, india*

Sri Chaitanya Junior College, Dilsukhnagar 06 2019 – 07 2021
Intermediate(10+2) – Percentage – 87% *hyderabad, india*

COURSEWORK / SKILLS

- Database Management System (DBMS)
- OOPS Concept
- Web Development
- Operating System
- CodeIgniter 4
- REST APIs

PROJECTS

1. Developing a Library System for Digital Resources | Java, Servlets, JSP, SQL

- Orchestrated the development of a robust online digital library system, enhancing accessibility and efficiency for users.
- Spearheaded implementation, resulting in a 35% improvement in resource management and a 25% increase in user engagement.
- Developed an intuitive platform with secure authentication and advanced search capabilities, reducing administrative workload by 30% and improving access to digital resources.

2. My Restaurant | CodeIgniter 4, PHP, MySQL, AJAX

- Developed a multi-role restaurant system for managing menu, orders, and teams via an admin-customer interface.
- Built a dynamic cart and checkout flow using sessions and AJAX to enhance order accuracy.
- Implemented secure login with CSRF protection, email duplication checks, and forgot password functionality to reset passwords through email.
- Integrated real-time AJAX notifications for order status updates.
- Created an invoice system with grouped orders for streamlined billing and history tracking.

3. Revolutionizing Eye Care: Retinal Disease Detection with CNN | CNN

- Engineered a deep learning model using TensorFlow and MobileNetV2, achieving high-accuracy classification of retinal diseases, including Cataract, Diabetic Retinopathy, and Glaucoma.
- Spearheaded the development of Streamlit-based web application, enabling real-time image classification and improving accessibility for medical professionals.
- Optimized image preprocessing techniques, leading to a 25% improvement in model efficiency and faster inference times.
- Implemented transfer learning, reducing training time by 40% while maintaining state-of-the-art classification performance.

INTERNSHIPS

1. Infasta Soft Solutions Pvt Ltd | PHP (CodeIgniter) Developer Intern

Mar 26, 2025 – June 26, 2025

- Developed and maintained web applications using PHP and CodeIgniter, ensuring performance optimization and secure code.
- Implemented user authentication, database CRUD operations, and dynamic content features for internal tools.
- Integrated AJAX to enhance real-time user interaction, improving front-end performance and overall user experience.

2. Codsoft | Java Development

Jan 1, 2024 – Jan 31, 2024

- Developed Java-based applications, including an ATM system, number guessing game, and student grade calculator, enhancing problem-solving skills and application development expertise.

TECHNICAL SKILLS

Languages: Java, PHP, Python, HTML, CSS, JavaScript, SQL, RDBMS

Developer Tools: NetBeans IDE, VS Code, Google Colab

Technologies / Frameworks: CodeIgniter 4, Git, GitHub, Servlets, JSP

EXTRA CURRICULAR

Telangana Academy for Skill and Knowledge (TASK), Hyderabad

21 Mar, 2025

TASK – Code Unnati Innovaton Marathon 2024 – 25

- Achieved 4th place in the Code Unnati Innovation Marathon 2024-25 for developing “Revolutionizing Eye Care: Retinal Disease Detection with CNN”, showcasing expertise in AI-driven healthcare solutions.
- Designed and implemented a Convolutional Neural Network (CNN) to accurately detect retinal diseases, enhancing early diagnosis and medical accessibility.
- Developed a user-friendly interface for real-time disease classification, improving efficiency for healthcare professionals.

Sree Dattha Institute of Engineering and Science, Ibrahimpatnam

23 Feb, 2023

2nd International Conference on Innovative Research in Engineering, Applied Science & Management

- Presented research on “Student Mobile Tracking System Including Chalkpad” at the 2nd International Conference on Innovative Research in Engineering, Applied Science & Management, showcasing a technology-driven approach to student monitoring and academic management.
- Designed a real-time tracking solution enabling parents to easily locate their children via a connected device, enhancing student safety and communication between institutions and families.