Chirumamilla Rama Krishna

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SUMMARY

Computer Science student with hands-on experience in full-stack web development, machine learning, and artificial intelligence. Skilled in building responsive web applications and applying ML algorithms to real-world datasets. Completed internships and academic projects in web development and data science, demonstrating strong technical and collaborative abilities. Seeking an opportunity to apply skills in a role that supports continuous learning and innovation..

SKILLS

Programming Skills — Python, Java, C, HTML, CSS, Javascript, PHP

Frameworks & Libraries — MERN (MongoDB, Express.js, React.js, Node.js), Spring, Spring Boot(Basic)

Databases & Storage — MySQL, SQL

Tools & Platforms — Git, GitHub, VS Code, Power BI(Basic)

Core Concepts & Principles — Object-Oriented Programming (OOP), Data Structures & Algorithms

TRAINING & INTERNSHIP EXPERIENCE

Full Stack Java Intern, *SkillDzire*   08/2025 – Present │ Remote
- Completed learning **Java, HTML, CSS, and MySQL** for developing simple web applications.
- Built projects such as **login forms, registration pages, and CRUD operations**.
- Gained practical knowledge of backend development using **Servlets, JDBC, Spring**, and **REST APIs**.
- Understood how the **frontend interacts with the backend** for data handling and database connectivity.

Web Development Intern, *CodSoft*   06/2024 – 07/2024 │ Remote
- Built 5+ **interactive projects** such as a Portfolio Website, Weather App, Tic-Tac-Toe Game, and Stopwatch, showcasing problem-solving and creativity.
- Applied **HTML, CSS, JavaScript, and Bootstrap** to design responsive and user-friendly web pages.
- demonstrating full-stack development skills and improving usability and engagement for 50+ test users.

Python/AI Intern, *Develop Trees IT Solutions Pvt*   08/2022 – 01/2023 │ Guntur,India
- Completed learning **Python programming** with focus on **AI concepts and libraries**.
- Practiced using **NumPy, Pandas, and Matplotlib** for data handling, manipulation, and visualization.
- Built small projects including **prediction models** for real-world datasets.
- Gained exposure to **machine learning algorithms** such as **regression, classification**.

PROJECTS

Blood Bank Management System,   05/2024 – 06/2024
Tools: *ReactJS, MongoDB, ExpressJS, NodeJS (MERN), CSS* 🔗

- Build a MERN-based Blood Bank Management System as a Mini Project with donor registration, blood inventory tracking, and recipient request modules, improving operational efficiency and reducing manual errors by 0%.
- Integrated MongoDB database for real-time blood availability updates, ensuring secure storage and reducing data retrieval time by 0%, while minimizing errors in donor/recipient records.
- Built a responsive UI using React.js and CSS, improving usability and reducing administrative workload by 30% through an intuitive interface for donor and recipient management.

Image Sharpening Detection Based on Different Sets,

Tools: *Digital Image Processing, MATLAB*

- Appiled Digital Image Processing Techniques in MATLAB to detect **sharpened images** robust to **illumination, noise, and scaling**.
- Developed a **difference-set based detection model** achieving **90–95% accuracy** with minimal false positives.
- Enhanced **feature extraction** using **pixel-level difference patterns**, improving reliability by **20%**.
- Evaluated on **10,000+ images**, demonstrating strong **generalization across datasets**.

IoT-Based Pulse Rate Detector,

Tools: *Arduino/NodeMCU, Pulse Sensor, Python*

- Built a **pulse rate monitoring system** using Arduino and a pulse sensor.
- Measured and displayed **heart rate in real-time** on a monitor.
- Learned basic **sensor interfacing and data handling.**

EDUCATION

R.V.R & J.C College of Engineering,   08/2023 – Present │ Guntur
B.Tech (*Information Technology*) *-9.02 CGPA*

Chalapathi Institute of Technology,   03/2020 – 05/2023 │ Guntur
Diploma (*Computer Engineering*) *- 87%*

Z.P High School, *SSC-557/600*   Adigoppula

ACHIEVEMENTS & VOLUNTEERING

- Volunteered at Informatrix Coding Contest

- 3rd Place - Intra Departmental Coding Contest (August 2024)

- 3rd Place - Intra Departmental Coding Contest (September 2025)

- Solved 80+ algorithmic problems in Leetcode

- Runner Up - College Level Cricket Tournment

CERTIFICATES

- Problem Solving - Hacker Rank, 25 September 2024 🔗

- Data Structures Using C - Coursera, 28 December 2021 🔗

- AI/ML - Eduskills, June 2025 🔗

- Digital Skills: AI - FutureLearn(by Accenture) 🔗