

Buragapu Harika

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Career Objective

Results-driven Computer Science Engineering student with expertise in Software Development, Data Science, Artificial Intelligence, and Full-Stack Web Development. Proficient in Python, Java, PHP, Flask, JavaScript, SQL, and Machine Learning. Skilled in developing secure, scalable, and high-performance applications using Cloud Technologies, RESTful APIs, and Data Analytics. Seeking an opportunity to contribute AI-driven solutions, automation, and optimized database management while continuously enhancing my technical expertise.

Education

B. Tech	Centurion University of Technology & Management, Parlakhemundi Computer Science Engineering Aug 2022 – May 2026
Class XII	Kendriya Vidyalaya , Parlakhemundi CBSE (Biology, Physics, Chemistry) Apr 2020 – Mar 2022
Class X	ST. Joseph English Medium School, Parlakhemundi ICSE Apr 2018 – Mar 2020

Projects

- **Attendance Tracking using Deep Neural Networks:** Developed a facial recognition-based attendance system using Deep Learning and Computer Vision, achieving 98% recognition accuracy. Implemented OpenCV for image processing and TensorFlow for model training, improving attendance logging efficiency by 25%. Integrated fraud detection mechanisms to prevent proxy attendance and enhance security.
- **Student Activating Monitoring System:** Designed an AI-powered classroom monitoring system with YOLO object detection models, achieving 95% accuracy in student count tracking and uniform compliance detection. Developed behavioral analytics using Deep Learning to identify smartphone usage, poor posture, and classroom disruptions. Integrated real-time alert notifications such as "Sit up straight" and "Please refrain from using smartphones" to improve discipline and engagement.
- **Hospital Management System:** Built a web-based hospital management system using PHP, MySQL, Flask, and JavaScript for secure patient records, real-time appointment scheduling, and doctor coordination. Integrated role-based access control (RBAC) to enhance security and optimized database queries, reducing retrieval time by 30%.

Technical Skills

- **Programming Languages:** C, Java, Python
- **Frontend Technologies:** HTML, CSS, JavaScript, Bootstrap, jQuery
- **Backend:** MongoDB, Flask, MySQL, PHP
- **Development Tools:** VS Code, Jupyter Notebook, Google Collab

Internships

- **Web Development Internship:** 1 month, May 15, 2024
- **Data Science Internship:** June 1 - June 30, 2024

Certifications

- **C and Data Structures using C - Code Tantra** (2023)
- **Python Essentials - Cisco Academy** (2023)

Extracurricular Activities

- Regularly developing websites and contributing to open-source projects.
- Contributed to open-source projects on GitHub, focusing on full-stack development and automation tools.