

# Clifford Jestin

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## SUMMARY

- A dedicated computer science student specializing in data science and health informatics, with a passion for leveraging technology to drive innovation in healthcare. Integrating data-driven insights, AI, and emerging technologies to enhance decision-making and improve patient outcomes.

## EDUCATION

- VIT Bhopal** **Oct 2022 – Present**  
*B.Tech in Computer Science (Health Informatics)* *CGPA: 8.69*  
Coursework: AI in Healthcare, Data Science, Database Systems, Clinical Decision Support Systems

## PROJECTS

- Malarial Parasite Detection using YOLO** *Jun 2024 – Aug 2024*
  - Developed YOLOv5 model on 1,000+ blood smear images, achieving **92% precision** (12% accuracy boost)
  - Applied data augmentation (rotation/flipping) and hyperparameter tuning via cross-validation
- Hospital Management System** *Dec 2024 – Jan 2025*
  - Built Java/MySQL system with IoT vital monitoring and Twilio SMS alerts for abnormal readings
  - Reduced appointment scheduling time by **30%** via automated workflows
- AI-Powered Wildlife Monitoring System** *Nov 2024 – Apr 2025*
  - Trained YOLOv8 model (91% accuracy) on 17 species; integrated Leaflet.js for real-time geolocation
  - Developed React dashboard with Python backend for analytics and Twilio alert system

## TECHNICAL SKILLS

**Languages:** Python, Java, SQL, PL/SQL  
**AI/ML:** YOLO (v5/v8), Scikit-learn, Computer Vision  
**Tools:** Excel/Google Sheets, MySQL, Github, Twilio API, PyCharm  
**Data Analysis:** pandas, NumPy, Matplotlib

## EXPERIENCE

- Email Marketing Intern** *GEMA Education — Oct 2024 – Nov 2024*
  - Executed campaigns for schools using YAAM platform, achieving **15% higher open rates**
  - Analyzed engagement metrics (CTR, conversions) to optimize content strategy
  - Maintained spreadsheets of data for better analysis and sharing.

## CERTIFICATIONS

- IBM Data Science Professional Certificate *Jan 2025 – May 2025*
- IBM Gen AI *Feb 2025 – Apr 2025*
- Introduction to Java (Coursera) *Oct 2023 – Nov 2023*

## EXTRACURRICULAR ACTIVITIES

- Participated in AI Hackathon-Visvesvaraya National Institute of Technology (VNIT), collaborated with a team of 3 to create a mental health companion.
- Organized the AARAMBH Football Tournament 2023 (STUDENT COORDINATOR)
- Participated in ADVITYA Sports Fest 2024, University Football Team and secured 2nd Place.