

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 **84% precision** (12% accuracy boost)
 - Applied data augmentation (rotation/flipping) and hyperparameter tuning via cross-validation
- **AI Job Market Analyzer Dashboard** *Jun 2025 – Present*
 - Designed interactive web dashboard using **Plotly Dash** to visualize AI job trends across roles, skills, and locations
 - Deployed live on [Render](#); implemented dynamic filters and advanced visualizations (heatmaps, scatterplots)
- **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
Tools: Excel/Google Sheets, MySQL, Dash, PyCharm, Twilio API
Data Analysis: pandas, NumPy, Matplotlib, Plotly

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.