YOGENDRA SINGH BISHT

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Jaipur, Rajasthan - 302017, India

EDUCATION

- **Graphic Era Hill University** *2023 – 2027*
  Bachelor of Technology in Computer Science Dehradun, India
  - **CGPA: 7.3 / 10.0**
- **St. Edmund's Sr. Sec. School** *2021 – 2023*
  Class XII: 71.8% | Class X: 74% (CBSE) Jaipur, India

TECHNICAL SKILLS

Languages: C++, Python, JavaScript, TypeScript, Java, SQL
AI & Machine Learning: Generative AI (Gemini, Llama), AI Agents, OpenCV, DeepFace, TensorFlow, NLP, OCR, Pandas, Scikit-learn
Web Development: React, Next.js, Tailwind CSS, Node.js, Flask, FastAPI, REST APIs
DevOps & Cloud: Docker, AWS, Vercel, CI/CD, Git, Pytest, AI-Assisted Development
Core Concepts: Data Structures & Algorithms, DBMS, Operating Systems, Computer Networks

EXPERIENCE

- **Saarthi 2025 - National Hackathon** *Jan 2025*
  Finalist & Team Lead Graphic Era Hill University
  - **Selected as a finalist in a high-intensity 24-hour national-level hackathon focused on social impact.**
  - **Led the development of "Saarthi", an AI-powered accessibility solution, coordinating tasks under strict deadlines.**

PROJECTS

- **Saarthi – AI Workplace Assistant**
  Tools: React, Llama 3.1, Groq, Web Speech API
  - Engineered an accessible AI-powered job portal featuring a multilingual voice assistant for job search automation.
  - Integrated **Llama 3.1 (Groq)** to process natural language commands with ultra-low latency.
  - Implemented intelligent job-ranking using **TensorFlow.js** for client-side skills-based matching.
- **AI Assignment Checker**
  Tools: Python, Flask, Gemini 2.0, Tesseract OCR, Pytest
  - Developed an automated grading system using a multi-model evaluation pipeline (Gemini 2.0 + Llama 3.3).
  - Built a strong OCR workflow with **Tesseract OCR + OpenCV** to extract handwritten content from scanned PDFs.
  - Implemented CI/CD testing using **Pytest** with unit tests, API mocks, and automated validation.
- **Facial Recognition System**
  Tools: Python, OpenCV, DeepFace, TensorFlow
  - Designed an advanced biometric authentication system detecting age, gender, and emotion via **VGG-Face**.
  - Optimized live video inference with improved face alignment, boosting recognition accuracy and speed.
- **C++ Roulette Game Simulation**
  Tools: C++, Windows API, IPC, STL
  - Architected a high-performance console–GUI hybrid application using **Windows IPC** and low-level GDI rendering.
  - Implemented realistic roulette physics, animations, and an advanced betting engine with optimized memory management.