GAUTAM SINGH KAUSHIK

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Education

Vellore Institute of Technology, Bhopal   **2022-2026**
B.Tech (CSE with specialization in cloud computing and automation)| **CGPA: 8.99**   **(Ongoing)**

Skills

Programming Languages: Java, Python, HTML, CSS, JavaScript

Frameworks & Libraries: TensorFlow, OpenCV, OpenPose, CNN architectures (ResNet101, U-Net)

Technologies & Tools: AWS (EC2, S3, Lambda, Athena), Google Cloud, IBM Cloud, MySQL, MongoDB, Git, Figma, Power BI

Other Skills: Machine Learning, Deep Learning, Computer Vision, Full-Stack Development, Generative AI

Experience

Data Science Intern - Unified Mentor Pvt. Ltd. | Oct 2025 – Present

- Performed **data cleaning, preprocessing, EDA** to prepare high-quality datasets for analytics workflows.
- Built and optimized **machine learning models** for predictive insights using Python, Scikit-learn, and related tools.
- Designed interactive **Power BI dashboards** to visualize KPIs and communicate data-driven insights effectively.

Projects

RAG Chat Assistant – Retrieval-Augmented Generation System | 08/2025

- Built an end-to-end RAG chat assistant supporting PDF/Image upload, OCR extraction, vector search, and source-grounded answers.
- Implemented OCR, text chunking, and FAISS vector indexing to construct a scalable document knowledge base with fast retrieval.
- Developed an interactive Flask–Gradio pipeline enabling real-time QA, file uploads, and automated page-level source citations to ensure reliability.
- **Technologies:** Python, Flask, Gradio, FAISS, OCR, Vector Databases, RAG
- **Role:** Individual Project – AI/ML

Movie Ticket Booking System (MERN Full-Stack) | 04/2025

- Designed and developed a full-stack MERN application for movie ticket booking with secure user authentication and role-based access.
- Implemented seat selection, real-time booking workflows, and a feature-rich admin dashboard for managing movies, shows, and theatre data.
- Created a responsive, modern UI with Tailwind CSS and integrated REST APIs for efficient backend–frontend communication.
- **Technologies:** MongoDB, Express.js, React.js, Node.js, Tailwind CSS
- **Role:** Individual Project – Full Stack Web Development

Achievements, Certifications & Co-Curricular Activities

- Zelestra x AWS ML Ascend Challenge (Team Leader) – **Rank 138**/1500+ (2025)
- SIH 2023 (Internal Hackathon Finalist), Project: price pulse, role: frontend developer
- **Certifications:** Generative AI **(IBM)**, Full Stack Development (MERN – **SmartBridge & MongoDB**), MongoDB Node.js Developer **(SmartBridge)**, Applied ML (Coursera), AIML & Web Dev – Spring Bootcamp (Merit)
- 3rd Place – Script Writing (Tamasha'23, Ekfraseis Club) | Google Cloud Arcade Participant(from year 2023)
- **Languages:** English, Hindi, German (Basics A1, A2)