

Ishaan Bhatt

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Final year Computer Science student passionate about AI, ML and audio-tech. Experienced in building machine learning models for real world problems. Thrive in high pressure environments and eager to collaborate with innovative teams to solve impactful challenges.

Education

<ul style="list-style-type: none">Nirman High School — <i>Secondary (CBSE)</i> <i>Ahmedabad, Gujarat</i>	2012 – 2020
<ul style="list-style-type: none">Puna International School — <i>Senior Secondary (CBSE)</i> <i>Ahmedabad, Gujarat</i>	2020 – 2022
<ul style="list-style-type: none">Kalinga Institute of Industrial Technology (KIIT) — <i>B.Tech in Computer Science</i> <i>Bhubaneswar, Odisha</i>	2022 – 2026

Work Experience

1. Katch GO AI/ML Intern	June 2025 – November 2025
<ul style="list-style-type: none">Designed XGBoost-based forecasting pipelines to predict daily ridership and revenue, achieving under 3% average prediction error.Developed a Computer Vision solution using YOLO-v8 for automated passenger counting, enabling accurate monitoring of bus occupancy in real time.	

Achievements & Leadership Roles

1. Amazon ML Challenge 2025 Smart Product Pricing (Top 2.73%)	
<ul style="list-style-type: none">Ranked 629th out of 23,000+ global teams in Amazon's multimodal ML competition (SMAPE: 48.9%).Built an end-to-end price prediction model combining text (TF-IDF features) and image embeddings for e-commerce products.Trained an ensemble model consisting of LightGBM regressor and HistGradientBoosting Regressor and optimized LightGBM regressor using Optuna, integrating engineered linguistic and quantity-based features.Demonstrated strong proficiency in multimodal learning, feature engineering and model optimization under real-world constraints.	
2. MIT Global AI Hackathon Solo (Special Mention)	
<ul style="list-style-type: none">Shortlisted from a globally competitive pool of applicants to participate in a 24-hour AI hackathon hosted by MIT AI/ML Club.Built a pipeline with Hugging Face Diffusers, PyTorch3D and Trimesh to convert 2D images to 3D exportable models.Got a special mention for "Relevant Approach" for innovative solution and export ready .obj output.	
3. MIT Global AI Community Country Ambassador And Participant Global AI Hackathon (2nd Edition)	
<ul style="list-style-type: none">Appointed one of 50 global ambassadors for the 2nd Global AI Hackathon and recognized among the Top 3 globally for impact and outreach.Led outreach across India with primary focus on Gujarat, onboarding 7 engineering colleges and driving over 400 student registrations.Managed technical onboarding and resolved participant queries for the hackathon.Shortlisted with a team from a global pool of 2700+ applicants to participate in the hackathon.	

Projects

1. Virtual Theremin OpenCV, NumPy, SciPy GitHub Link	
<ul style="list-style-type: none">Simulated a musical instrument controlled by hand gestures using webcam-based tracking.Generated sine waves in real-time; pitch and volume adjusted based on hand position.	
2. Sap-Chatflow LLM, RAG, FullStack GitHub Link	
<ul style="list-style-type: none">Engineered a full-stack Conversational AI assistant (Llama 3.1/RAG, React/TS) to automate complex SAP workflows, enabling form submissions and providing real-time operational data (PO, Stock Levels) via a natural language chat interface.Developed a Retrieval-Augmented Generation (RAG) architecture using a specialized knowledge base to ensure the LLM's responses were grounded and accurate for enterprise-level SAP terminology and business processes.	
3. GeoChallenge Game Pandas, Geopy, TheFuzz GitHub Link	
<ul style="list-style-type: none">Created a geography quiz game with fuzzy matching.Featured 3 dynamic game modes, country/capital guessing based on hints and finding all neighbours of a country with real-time geolocation and relational border data.	

Further work showcased on my [GitHub](#)

Technical Skills

<ul style="list-style-type: none">Languages: Python, C, Java, SQL, HTML, CSS, TypeScriptLibraries & Frameworks: NumPy, Pandas, scikit-learn, TensorFlow, PyTorch, Hugging Face Transformers, Git, Librosa, OpenCV, Matplotlib, Trimesh, TheFuzz, Geopy.Tools & Platforms: Jupyter Notebook, Google Colab, Power BI, Sounddevice, Gradio, FL Studio.Cloud & DevOps: AWS (EC2, S3, Lambda, VPC, Aurora, CloudWatch), GitHub.Domains: Machine Learning, Deep Learning, Computer Vision, Natural Language Processing, Data Analytics.CS Fundamentals: Operating Systems, Computer Networks, Software Engineering.	
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Certifications

<ul style="list-style-type: none">Google AI Essentials Specialization: Google	August 2025
<ul style="list-style-type: none"><ul style="list-style-type: none">Gained hands-on knowledge of AI fundamentals, prompt engineering, responsible AI practices and applied use cases for productivity.	
<ul style="list-style-type: none">IBM AI Product Manager Specialization: IBM	August 2025
<ul style="list-style-type: none"><ul style="list-style-type: none">Learned to design, manage and deliver AI-powered products, covering product lifecycle, stakeholder collaboration and AI strategy.	
<ul style="list-style-type: none">Machine Learning: Columbia University	August 2025
<ul style="list-style-type: none"><ul style="list-style-type: none">Completed a comprehensive course covering key ML concepts including Linear Regression, Data Classification, Clustering and Dimensionality Reduction.	
<ul style="list-style-type: none">Data Science: IBM	August 2025
<ul style="list-style-type: none"><ul style="list-style-type: none">Covered applied machine learning, deep learning, cloud integration, and end-to-end data workflows, with hands-on projects in analysis, modeling and deployment.	
<ul style="list-style-type: none">Business Analytics for Decision Making: University of Colorado Boulder	January 2025
<ul style="list-style-type: none"><ul style="list-style-type: none">Course focused on using data and analytical tools to inform strategic business decisions.	
<ul style="list-style-type: none">Strategy and Game Theory for Management: IIM Ahmedabad	January 2025
<ul style="list-style-type: none"><ul style="list-style-type: none">Explored the principles of strategic thinking and game theory as applied to business management.	