Bhatt Ishaan Nitin

+91 9328435711 | ishaanbhatt2004@gmail.com | linkedin.com/in/ishaan-bhatt-110a93256 | github.com/IshaanBhatt23
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
- **Nirman High School — *Secondary (CBSE)***   **2012 – 2020**
Ahmedabad, Gujarat
- **Puna International School — *Senior Secondary (CBSE)***   **2020 – 2022**
Ahmedabad, Gujarat
- **Kalinga Institute of Industrial Technology (KIIT) — *B.Tech in Computer Science***   **2022 – 2026**
Bhubaneswar, Odisha

Work Experience
1. **Katch GO | AI/ML Intern**   **June 2025 – Present**
   - Trained **XGBoost** models for forecasting daily ridership and revenue with **less than 3% average error.**
   - Provided insights on frequency of trips, passenger movement and fuel economy to improve route level decision making.
   - **Built a Computer Vision model** to track passengers boarding and deboarding, reducing discrepancies and **improving ticket collection by 14%**.
2. **AICTE Virtual Internship | AWS Cloud Architecture**   **October 2024 – December 2024**
   - Completed a 10 week AWS internship, awarded **Grade A**, with hands-on practice in **EC2, S3, Lambda, VPC, Aurora and CloudWatch.**
   - Gained exposure to cloud deployment, networking and security principles.

Achievements & Leadership Roles
1. **Minor Project | Heart Disease Predictor (Team Lead)**
   - Led a 6 member team as part of the academic minor project to develop a logistic regression model predicting heart disease risk.
   - Achieved 87% accuracy on real world patient data using key health indicators.
   - Awarded an **O grade** for our project by the university evaluation panel.

2. **MIT Global AI Hackathon | Solo (Special Mention)**
   - 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)**
   - 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*
   - 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. **Text Summarizer & Q/A Bot | Hugging Face, Gradio, PyTorch** *GitHub Link*
   - Developed a web app to perform document summarization and answer questions using transformer models.
   - Integrated Gradio interface for real-time local deployment and user testing.

3. **Beatbox Sound Classifier | Librosa, TensorFlow, Sounddevice** *GitHub Link*
   - Built a sequential neural network to classify beatbox sounds into 4 categories using MFCC features.
   - Trained on 250+ custom-recorded audio samples, achieved 72% accuracy.

4. **GeoChallenge Game | Pandas, Geopy, TheFuzz** *GitHub Link*
   - 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
- **Languages:** Python, C, Java, SQL, HTML, CSS.
- **Libraries & 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.

Certifications
- **Google AI Essentials Specialization: Google**   **August 2025**
  - Gained hands-on knowledge of AI fundamentals, prompt engineering, responsible AI practices and applied use cases for productivity.
- **IBM AI Product Manager Specialization: IBM**   **August 2025**
  - Learned to design, manage and deliver AI-powered products, covering product lifecycle, stakeholder collaboration and AI strategy.

- **Machine Learning: Columbia University**   **August 2025**
  - Completed a comprehensive course covering key ML concepts including Linear Regression, Data Classification, Clustering and Dimensionality Reduction.
- **Data Science: IBM**   **August 2025**
  - Covered applied machine learning, deep learning, cloud integration, and end-to-end data workflows, with hands-on projects in analysis, modeling and deployment.
- **Business Analytics for Decision Making**: **University of Colorado Boulder**   **January 2025**
  - Course focused on using data and analytical tools to inform strategic business decisions.
- **Strategy and Game Theory for Management**: **IIM Ahmedabad**   **January 2025**
  - Explored the principles of strategic thinking and game theory as applied to business management.

Certificate Portfolio: https://drive.google.com/drive/folders/1F0UtQwikIar5HT3UoN87UmqeHy-EcQIT