

# Garv Behl

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## Education

**Amity University, Noida** — B.Tech in Computer Science and Engineering 2022 – 2026

- CGPA: 8.38

**Vidya Mandir Public School, Faridabad** — CBSE Board 2019 – 2022

- Class XII (2021–22): **94.6%**
- Class X (2019–20): **95.2%**

## Professional Experience

**AI Automation Intern**, Marksman Technologies Pvt. Ltd. – Remote May 2025 – July 2025

- Developed a conversational AI chatbot for hotel and travel bookings using NLP and intent classification, reducing average customer resolution time by **30%** and boosting satisfaction scores to **4.7/5**.
- Engineered a deep learning-based **voice cloning and text-to-speech (TTS)** system that auto-narrated YouTube videos, generating over **1,500 hours** of high-quality content monthly, driving a **20%** uptick in engagement.
- Technologies used: **Python, TensorFlow, gTTS, Transformers, Streamlit, Flask**

**AI ML Intern**, Nebula Accelerator – Delhi, India July 2025 – Aug 2025

- Orchestrated the cleaning and preprocessing of large-scale multi-sensor and surveillance datasets (> **0.5TB**) for military-grade AI pipelines, increasing data accuracy by **85%**.
- Contributed to the development of a deep learning-based **target detection and classification model**, achieving an initial testing accuracy of **92%** for defense applications.
- Conducted **exploratory data analysis (EDA)** and anomaly detection to identify **12 mission-critical data inconsistencies**, significantly improving system robustness.
- Technologies used: **PyTorch, OpenCV, NumPy, Pandas, Matplotlib, Scikit-learn**

## Technical Skills

- **Machine Learning & Deep Learning:** TensorFlow, Keras, Scikit-learn, PyTorch (basic), XGBoost, LightGBM, OpenCV, NLTK, spaCy, NumPy, Pandas, Matplotlib, Seaborn  
*Certified in Machine Learning (Andrew Ng, Coursera), Deep Learning Specialization, and Business Intelligence Analytics (Amity Global Institute, Singapore).*
- **Programming Languages:** Python (primary), JavaScript, C/C++, Java
- **Data Engineering & Analytics:** Data preprocessing, EDA, feature engineering, anomaly detection, model evaluation, pipeline optimization
- **Natural Language Processing (NLP):** Text classification, sentiment analysis, NER, chatbot development, voice cloning, speech synthesis
- **Computer Vision:** Image classification, object detection, OCR, grayscale augmentation, real-time prediction
- **Tools & Frameworks:** Git, GitHub, Postman, Flask, Streamlit, Jupyter, VS Code, Netlify, Vercel, Figma
- **Databases & Cloud:** MongoDB, Firebase Firestore, MySQL; basic knowledge of Google Cloud, REST APIs
- **Full Stack Web Development:** React.js, Node.js, Express.js, Firebase, Tailwind CSS  
*Built scalable production-level platforms such as PulsePlay (music streaming) and CineGate (movie ticketing).*

## Projects

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**Fake Currency Detection System** — Tools: Keras, TensorFlow, OpenCV, NumPy



- Developed an AI-powered system using **ORB** and **SSIM** algorithms to detect counterfeit Indian currency notes with high precision.
- Achieved **97% accuracy** through grayscale image preprocessing and data augmentation techniques.
- Built a user-friendly interface using **Tkinter** and deployed a real-time classifier via Flask.

**Fraudulent Transaction Detection System** — Tools: Scikit-learn, Pandas, Matplotlib



- Designed a robust ML pipeline to detect anomalies in financial transactions using **Isolation Forests** and **Logistic Regression**.
- Conducted comprehensive **EDA**, feature engineering, and class imbalance correction.
- Achieved **92% precision** and **89% recall** on imbalanced test datasets.

**PulsePlay – Online Music Streaming App** — Tools: React.js, Node.js, Tailwind CSS, MongoDB



- Engineered a full-stack web application featuring real-time audio streaming, categorized playlists, and user-specific liked song libraries.
- Designed a modern, responsive UI/UX using **Tailwind CSS** and managed app state with **React Hooks**.
- Leveraged **MongoDB** to persist user preferences, history, and audio metadata.

## Achievements

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- **Finalist – GFG Hackfest:** Developed *HackHeart*, a DIY ECG machine that monitored real-time heart signals using signal processing and deep learning.
- **Study Abroad Scholar – Amity Global Institute, Singapore:** Represented Amity University and earned a certification in *Analytics for Business Intelligence*.
- **Finalist – Case on Point, NIT Kurukshetra:** Ranked 4th in a national optimization challenge showcasing teamwork and critical thinking.
- **2nd Place – Alkami India Quest:** Pitched a real-world solution using AI and Blockchain in digital banking to the CTO, CEO, and CHRO of Alkami Technologies (US).
- **2-Star Rated Programmer – CodeChef:** Earned a gold badge and consistently ranked in competitive programming challenges.