

# BARDAWAL BIHARI

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## PROFESSIONAL SUMMARY

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M.Tech student specializing in Artificial Intelligence and Machine Learning with expertise in developing AI-driven applications, LLM-based systems, and full-stack solutions. Proven in developing AI-driven applications and secure system solutions with solid expertise in ML, data analysis. Recognized for strong problem-solving, leadership, and effective collaboration skills, and driven to leverage advanced technologies to deliver innovative, efficient solutions.

## EDUCATION

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**Master of Technology (M.Tech.), Computer Science with AI and ML**

*Vellore Institute of Technology, Vellore*

*2024 - 2026*

*Vellore, India*

**CGPA:** 9.07

**Course Work:** Machine Learning, Deep Learning, Object-Oriented Programming, Cloud Computing  
Database Systems, Machine Vision

**Bachelor of Technology (B.Tech.), Computer Science with AI and ML**

*Jawaharlal Nehru Technological University Hyderabad*

*2020 - 2024*

*Hyderabad, India*

**CGPA:** 7.97

**Course Work:** Data Structures & Algorithms, Operating Systems, Artificial Intelligence, SDLC

## SKILLS

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**Languages:** Python, C/C++, SQL

**Database Management:** MySql, MongoDB

**Web & cloud Technologies:** JavaScript, HTML/CSS basics, AWS Lambda(basics), Google Colab

**AI & ML:** PyTorch, Tensorflow, NLP(BERT), Reinforcement Learning, Numpy, Pandas

**Computer Vision:** OpenCV, Image Processing, Object Detection, Haar Cascade, LBPH

**Cloud & Development Tools:** Jupyter Notebooks, VSCode, Google Colab (GPU Acceleration), Git/GitHub

**Soft Skills:** Communication, Problem-Solving, Leadership, Teamwork, Collaboration

## PROJECTS

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**AI-Powered Narrative Analysis and Chatbot System for Anime Series:** Developed an end-to-end NLP pipeline integrating web crawling, data preprocessing, jutsu classification via fine-tuned transformers, zero-shot theme labeling, character network visualization using NER and NetworkX, and a fine-tuned LLM-based chatbot—all within an interactive Gradio web application.

**Gaining Comprehensive Personality Insights using Reinforcement Learning:** Designed an AI-based personality classification system using Reinforcement Learning to analyze customer sentiment from chat data. Utilized BERT for text preprocessing and implemented a PPO-based model in PyTorch, achieving 78% classification accuracy.

**Cloud-Based Face Recognition for Secure Access Control:** Developed a face recognition door lock system leveraging OpenCV and AWS Lambda to enable cloud-based authentication. Integrated Haar Cascade classifiers and LBPH algorithm to enhance real-time security. Optimized the system for rapid response and reliable performance in security-critical environments.

## ACHIEVEMENTS & CERTIFICATIONS

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- Solved 500+ DSA problems on Leetcode and GeeksForGeeks.—[Click Here](#)—
- completed Google Cloud Essentials & IBM AI Engineering Specialization, covering deep learning, NLP with transformers, and model deployment.
- Led a team of 5 students to successfully organize a Technical Fest, managing logistics and engagement.

## INTERESTS

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- Exploring advancements in healthcare technology and AI-driven solutions.
- Engaging in sports like badminton, carrom, and cricket to enhance teamwork and maintain physical fitness.