VAISHNAVI NICHAL

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OBJECTIVE

AI/ML undergraduate with hands-on experience in Python, machine learning, and NLP-driven projects. Skilled in developing AI applications, conducting data analysis, and building classification models with 95%+ accuracy. Completed virtual internships with AWS, Tata, and Accenture simulating real-world industry tasks. Proven leadership experience and strong collaboration, communication, and problem-solving abilities. Seeking internship/full-time roles in AI/ML Engineering, Data Science, or NLP.

EDUCATION

Bachelor of Technology (B.Tech) in Artificial Intelligence and Machine Learning
Sanjay Ghodawat University   (CPGA: 8.7 of 6th sem)   *Expected 2026*

Higher Secondary (Class XII), CBSE
Kendriya Vidyalaya No. 2, Belgaum   (80%)   *2020–2022*

Secondary School (Class X), CBSE
Kendriya Vidyalaya No. 2, Belgaum   (86%)   *2020*

TECHNICAL SKILLS

- **Languages**: Python, C/C++,
- **Web Technologies**: HTML, CSS, JS, Node.js
- **Libraries & Frameworks:** Scikit-learn, TensorFlow, Keras, OpenCV
- **NLP Tools:** NLTK, TF-IDF
- **Data Analysis**: Pandas, NumPy, Matplotlib, Seaborn
- **Databases:** MySQL,MongoDB
- **Tools & Platforms**: Jupyter Notebook, Google Colab, VS Code, Windows
- **Other Tools:** Git/GitHub, Version Control, MS Office, Basic Cloud Computing, Digital Forensics (intro)

ADDITIONAL SKILLS

Ethical Hacking (Basics), Digital Forensic concepts, Cloud Computing, DTP
Presentation Skills, MSOffice, SDLC, Networking, Linux(basic),OOP's,DBMS

INTERNSHIPS AND CERTIFICATIONS

VIRTUAL INTERNSHIPS:

- **AWS APAC Solutions Architect -Virtual Internship (Forage)**   **June 2025**
  Built scalable architecture using Elastic Beanstalk; documented cloud cost optimization.

- **Tata Group - Data Analytics Job Simulation (Forage)**   **July 2025**
  Performed EDA with GenAI tools to identify delinquency risk factors; structured data for predictive modeling.

- **Accenture -Software Engineering Job Simulation (Forage)**   **June 2025**
  Simulated SDLC tasks including debugging, sprint planning, and secure coding.

- **Career Essentials in GenAI - Microsoft x LinkedIn**

  Completed training in LLMs, prompt engineering, and GenAI tools for enterprise use.

PROJECTS

- **Text & Voice Conversion Bot**

  Developed an AI assistant that converts speech to text and vice versa using Python libraries such as Speech Recognition and pyttsx3.
  Enabled accessibility use cases by integrating voice I/O features.

- **Text Summarization Tool**

  Implemented NLP-based summarizer using POS tagging and frequency analysis.
  Achieved concise summaries with minimal semantic loss across 100+ long-form text samples.

- **Hotel Management System**

  Designed a hotel system using Python frontend and MySQL backend to manage bookings, check-ins, billing, and availability.

  Streamlined real-time room tracking with automated alerts

- **Lane Detection System using OpenCV**

  Built a real-time lane detection system using image processing (Canny edges, Hough transform) to identify lane boundaries in video frames. Designed to mimic ADAS lane assistance functionality and optimized for road curvature & noise handling.

- **Spam Email Detection System**
  Built a Naive Bayes classifier to detect spam with 95%+ accuracy.
  Preprocessed 1,000+ email samples using tokenization, stop word removal, and TF-IDF vectorization.

LEADERSHIP & EXTRACURRICULAR ACTIVITIES

Leadership Roles:

- School Captain, Kendriya Vidyalaya No. 2   **2020–2022**

- Event Coordinator, College Annual Day & Fests

- House Captain, Green House

Hackathon Participation:

- Competed in Smart India Hackathon 2024 – Intra-University Level

Sports & Cultural Activities:

- Represented college in cricket, volleyball, badminton, kho-kho.

- Anchored and participated in college fashion shows and dance events.

- NSS Volunteer – Coordinated health drives, rural outreach, and tree plantation.

SOFT SKILLS

• Problem Solving • Communication • Leadership • Teamwork • Time Management • Research & Documentation

LANGUAGES

English • Hindi • Marathi