

# Het H. Bhutak

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## QUALIFICATIONS

### Bachelor of Technology (B. Tech) – Computer Science & Design

G.H. Patel College of Engineering & Technology, CVM University - 2022 – 2026 (CGPA: **8.05 / 10**)

## Technical Skills

**AI/ML:** Supervised & Unsupervised Learning, Deep learning (CNNs, RNNs, LSTM), Computer Vision (Object Detection)

**Frameworks & Libraries:** PyTorch, TensorFlow, Scikit-learn, OpenCV, NumPy, Pandas

**MLOps & Model Integration:** ML Pipeline Development, Model Inference APIs, Experiment Tracking (MLflow – basic), Model Deployment with REST APIs

**Backend APIs & Data:** Python, Flask, FastAPI, RESTful API Design, SQL, MongoDB

**Developer Tool:** Git, GitHub, Jupyter Notebook, CoLab, VSCode

## WORK PROFILE

### Laneway EnterPrice (Jan -2026 to April-2026)

Designation: AI/ML Developer

Key Responsibilities & Contributions:

- Designed and implemented **AI agent workflows** using **n8n** for autonomous task execution and system orchestration.
- Built and deployed a **Claude-based AI assistant (Claude Bot)** to perform intelligent reasoning, content generation, and workflow automation.
- Integrated LLM agents with **Python backend services and REST APIs** for real-world business use cases.
- Developed reliable agent pipelines with structured outputs, error handling, and execution monitoring.
- Collaborated with cross-functional teams while maintaining **production-grade code, documentation, and confidentiality standards**.

### Racila Softech Pvt. Ltd. (May-2025 to August-2025)

Designation: AI/ML Intern

Key Responsibilities & Contributions:

- Built an **end-to-end Speech-to-Text Resume Builder**, handling audio preprocessing, transcription, and structured resume generation.
- Achieved **~90% transcription accuracy**, reducing manual resume creation time by **~70%**.
- Designed and developed backend services using **Python and Flask**, exposing scalable REST APIs.
- Integrated ML models into backend workflows for real-time inference and document generation.
- Worked closely with product and engineering teams to translate requirements into deployable AI solutions.

## Projects

### InFlow – Smart Bus Surveillance & Crowd Monitoring System

Computer Vision | Real-Time Analytics

- Developed a computer vision-based system to estimate crowd density and passenger flow in buses.
- Designed an admin dashboard for real-time visualization of bus and crowd analytics.
- Targeted smart-city deployments (e.g., **GIFT City, Gujarat**).

### NIDS – Network Intrusion Detection System

Machine Learning | Cybersecurity

- Built an ML-based intrusion detection system to classify network traffic as normal or malicious.
- Trained and evaluated **LSTM, RNN, and KNN** models on the NSL-KDD dataset.
- Designed preprocessing, feature engineering, and evaluation pipelines.

## ACHIEVEMENTS

- Winner – 5G DoT Hackathon**, awarded **₹1,00,000** funding for robotics-based prototype development.
- Selected in **Pragati Phase – 5G Hackathon**, Top national teams
- Presented startup prototype at **IMC'25**, Asia's largest technology and innovation conference.
- Gained **1+ year of professional internship experience** across AI/ML, backend engineering, and product development.