

# Yash Kuletha

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## Experience

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### Summer Intern, Prodigy Infotech, Remote

June 2025 to July 2025

Developed Generative AI applications using Flask, TensorFlow, FastAPI, Huggingface Transformers and Stable Diffusion.

- Developed interactive AI tools for image generation, Neural Style Transfer and Natural Language processing.
- Enhanced UI/UX and explored GPT-2 fine-tuning using different decoding strategies.

### Summer Intern, L&T Technology Services, Vadodara

May 2024 to July 2024

Contributed to an internal use Resume Analysing Tool using Power Apps, Power Automate and Power BI.

- As part of my responsibility, I worked on automating candidate screening workflows.
- Additionally contributed to fixing bugs in Power Automate flow and adding new features.
- Streamlined the recruitment process by integrating Sharepoint, enabling real-time insights, improving screening efficiency.

## Projects

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### NU Gatepass

- Used React, Tailwind CSS and Microsoft SQL to optimize UI and fix bugs for university's new Gatepass portal.
- Worked with real time feedback of 30+ test users (Students, wardens, admin and guards).

### Deep Learning on Embedded Systems

- Used Jupyter Notebook and Arduino IDE to deploy an Autoencoder based Anomaly Detection model on Arduino Nano BLE Sense Rev 2 microcontroller.
- Tested the pipeline using ECG5000 dataset and explored various optimization strategies (NAS, QAT and PTQ).
- Co-authored a research paper which was presented at JECRC ICETESS 2025 conference.

## Education

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### BTech CSE, NIIT University – 8.31 CGPA

2022 to 2026

Relevant Modules: AI, ML, DBMS, OS, Deep Learning and Generative AI, Responsible AI

### XII, Bhartiya Vidya Bhavans, Vadodara (CBSE)

2022

## Skills

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- Programming Languages: Python, SQL, Javascript, Java
- Python Libraries: Pandas, NumPy, TensorFlow
- Business Intelligence: Power BI, Power Apps, Power Automate
- Version Control: Git, GitHub
- Web Development: React, Node.js, Express.js

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## Certifications

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- Supervised Machine Learning by Coursera, July 5 2025
- Advanced Learning Algorithms by Coursera, July 8 2025
- Unsupervised Learning, Recomenders, Reinforcement Learning by Coursera, July 8 2025

## Positions of Responsibility

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### Design Club Coordinator, NIIT University

- Organized workshops for Blender, Photoshop, Premiere Pro and After Effects.
- Collaborated with other club members to organize designing competitions.