Yash Kuletha

+91 9157317581 | yashkul021@gmail.com | linkedin.com/in/yash-kuletha | github.com/Gitgo012

Education

NIIT University — Neemrana, Rajasthan
B. Tech Computer Science - 8.35 CGPA — *Aug. 2022 – Present*

Bhartiya Vidya Bhavans — Vadodara, Gujarat
High School Graduate, PCM - 76% — *July. 2020 – July 2022*

Experience

Generative AI Intern — June 2025 – July 2025
Prodigy Infotech — *Vadodara, Gujarat*

- Developed a Neural Style Transfer web app using Flask and Tensorflow, enabling users to apply artistic styles to personal images via a drag-and-drop interface.
- Implemented a Markov chain-based movie quote generator using Flask and the Cornell Movie Dialogs Corpus, with an interactive UI for instant generation.
- Built a Text-to-Image generator using Stable Diffusion and FastAPI, capable of producing 4 unique images from a single text prompt; included a prompt history feature.
- Fine-tuned GPT-2 using Huggingface Transformers on a custom dataset for open-ended story generation; explored multiple decoding strategies for output diversity .

Automation and Analytics Intern — May 2024 - July 2024
L&T Technology Services — *Vadodara, Gujarat*

- Developed a Resume Analyzing application using Microsoft Power Apps and Power Automate to streamline candidate screening.
- Integrated the application with Power BI to visualize key metrics on a centralized dashboard for real-time insights.
- Gained hands-on experience with the Microsoft Power Platform to automate workflows and enhance data-driven decision-making

Projects

NU Gatepass | *React, Tailwind CSS, Microsoft SQL, Docker, Git, Github* — January 2025 – May 2025

- Contributed to the university's Gatepass portal, actively collaborating with real test users for iterative feedback and improvements.
- Fixed bugs and optimized React components, enhancing performance and improving overall UI/UX for a smoother user experience.
- Collaborated with team members using GitHub by creating feature branches, handling pull requests, and resolving merge conflicts efficiently.

Deep Learning on Embedded Systems | *Jupyter Notebooks, Arduino IDE* — January 2025 – May 2025

- Collaborated on a research project exploring the deployment of deep learning models on resource-constrained microcontrollers.
- Implemented an autoencoder-based anomaly detection model on Arduino Nano BLE Sense Rev 2 using the ECG5000 dataset.
- Contributed to designing a generalized training-to-deployment pipeline: Data Collection → Neural Architecture Search (NAS) → Pruning → Quantization-Aware Training (QAT) → Post-Training Quantization (PTQ) → Benchmarking → Deployment.
- Co-authored and presented the research paper at the JECRC ICETESS Conference 2025.

Certifications

Machine Learning Specialization | *Stanford University (via Coursera)* — July 2025

- Supervised Machine Learning: Regression and Classification
- Advanced Learning Algorithms
- Unsupervised Learning, Recommenders, Reinforcement Learning

Technical Skills

Languages: Python, Javascript, MySQL, Java, HTML/CSS
Frameworks: React, Node.js, Flask, FastAPI, Express JS
Developer Tools: Git, Docker, Google Cloud Platform, VS Code, Visual Studio, IntelliJ, Eclipse
Libraries: pandas, NumPy, Matplotlib, Tensorflow, Transformers