

KANISHK SHUKLA

+91 9412540125 | @ kanishkshukla211@gmail.com |  LinkedIn |  GitHub |  Bhopal, India

EDUCATION

Vellore Institute of Technology Bhopal
B.Tech. in Computer Science Engineering; **GPA: 8.88/10.00**

Bhopal, India
Sep 2022 – Jun 2026

EXPERIENCE

Ernst & Young (EY)

GenAI Project Intern

Gurugram

May- Ongoing, Part-Time

- **Engineered Multilingual GenAI Solutions:** Built and fine-tuned Transformer-based models (BERT, GPT-4) using PyTorch and Hugging Face, achieving 95%+ accuracy on cross-lingual tasks.
- **Architected End-to-End MLOps Pipeline:** Containerized models with Docker, orchestrated deployments via Kubernetes, and implemented CI/CD with Jenkins, reducing time-to-production by 40%.
- **Developed Prompt Engineering Framework:** Designed reusable prompt templates and automated fine-tuning workflows, optimizing LLM response quality and cutting inference latency by 30%.
- **Established Data & Model Governance:** Collaborated with data engineers to build preprocessing pipelines in Apache Airflow, managed secure data storage on AWS S3, and ensured compliance with enterprise AI governance standards.

Ailaysa Technologies Private Limited

GenAI Model Tester and Developer

Remote

February – April 24, Part-Time

- **Implemented Advanced ML Models:** Established and deployed complex models—including transformer-based architectures and LSTM networks—to achieve 95% accuracy in multilingual AI tasks.
- **Optimized GenAI Systems:** Leveraged challenging generative AI frameworks such as GANs and sequence-to-sequence models, analyzing performance metrics to boost efficacy by 10%.
- **Streamlined Documentation & Debugging:** Documented development, testing, and optimization processes for these high-complexity models, reducing debugging time by 15% with clear, actionable reports.

PROJECTS

Webloom

- **Description:** Developed a full-stack **SaaS** app that builds websites using natural language input. created with Next.js, React, TailwindCSS, and AI integration using Convex as primary Database, This platform ensures seamless AI integration, and deployment strategies—ideal for web developers and aspiring entrepreneurs.
 - Integrated a secure payment gateway and applied a pay-as-you-go token model for flexible usage.
 - Enabled seamless user experience with an embedded code **sandbox** for AI code editing and preview, direct deployment via Firebase, and a one-click code download option.
- **Technology:** Next.js, React, TailwindCSS, Convex, Node.js, TypeScript, GraphQL, Convex, Firebase and Vercel for seamless deployment.

Deep-Fake Detection System

- **Description:** Developed a Machine Learning model capable of detecting deepfakes and morphed faces in videos and images with 97% accuracy, reducing false positives by 12% compared to baseline models.
- **Results:** 97% model accuracy.

Certifications & Achievements

- Top 11 Finalist Ernst & Young Techathon 5.0 – selected amongst 1,50,000+ registrations.
- Solved 350+ problems on **LeetCode**; achieved a peak rating of **1602+**.
- Achieved a maximum rating of **1315** on **CodeChef**.
- 1st Runner-up, VIT Unplugged Hackathon – Excelled in a 14-hour competitive hackathon.
- Winner, 'Evolve' Competition – Awarded 1st place for Generative AI and ML model development.
- Top 50, Tata Elxsi Teliport Season 2 – Selected among 17,000+ participants.
- Top 41 TBO VoyageHack 2.0 – selected amongst 14,000+ entries.
- NPTEL Cloud Computing (Silver Medalist)

RESPONSIBILITIES

- Graphic Design Lead at Android Club
- Team Manager at GeeksforGeeks Chapter Vit Bhopal

SKILLS

Languages: Java, Python, MATLAB, C/C++, JavaScript, Go, SQL

Technologies: GenAI, OpenCV, PyTorch, TensorFlow, Figma, Docker, Kubernetes, CI/CD Pipelines, AWS/GCP, Websockets, Microsoft Azure

Methodologies: Data Structures, OOP, Functional Programming, Database Management, Operating Systems, Computer Networks