# KANISHK SHUKLA

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## EDUCATION

**Vellore Institute of Technology Bhopal**                                                         Bhopal, India
*B.Tech. in Computer Science Engineering;* **GPA: 8.88/10.00**                          *Sep 2022 – Jun 2026*

## EXPERIENCE

**Ailaysa Technologies Private Limited**                                                               Remote
*GenAI Model Tester and Developer*                                          *February –April24, 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.

**FINCRUX TECHNOLOGIES LLP**                                                                        Remote
*Investment Banking Analyst*                                                        *March–June23, Part-Time*

- **Conducted Comprehensive Market Analysis**: Analyzed 5 years of historical market data using time-series techniques such as ARIMA and Seasonal Decomposition (STL) to uncover key market trends.
- **Formulated Predictive Financial Models**: Built forecasting models, including Prophet and LSTM networks, which improved forecast accuracy by 25% for stock predictions.
- **Optimized Investment Strategies**: Applied Monte Carlo simulations to perform scenario analysis and risk quantification, delivering actionable insights for enhanced investment decision-making.

## 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 1205 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 Teleport 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,
**Technologies:** GenAI, OpenCV, PyTorch, TensorFlow, Adobe XD, Figma, Docker, Kubernetes, CI/CD Pipelines, AWS/GCP, Websockets, Microsoft Azure

**Methodologies:** Data Structures, OOP, Functional Programming