Samridhi Jaiswal

Phone: +9936793372 | Email: samridhijaiswal2022@vitbhopal.ac.in | LinkedIn: linkedin.com/in/samridhi-jaiswal

Education

VIT Bhopal University   Bhopal, Madhya Pradesh
BTech   Expected May 2025
Major in Computer Science; Minors in Artificial Intelligence and Machine Learning
Cumulative GPA: 8.78/10
12th Standard
Methodist High School   Kanpur, Uttar Pradesh
ISC Percentage: 92%   July 2022
10th Standard
Methodist High School   Kanpur, Uttar Pradesh
ICSE Percentage: 97.3%   July 2020

Projects

Microtask Vault   **October 2024 – April 2025**

A platform enabling users to earn money by completing AI-powered microtasks such as data labelling and content rating.

- Led the development of an AI-powered microtask platform using Node.js and MongoDB, designed scalable backend systems to handle daily tasks, and implemented optimized matching algorithms that increased user earnings by 40%.
- Integrated AI models for automated data labelling, increasing task accuracy and operational efficiency by 90%.
- Collaborated with an 8-member team using agile practices to ensure timely delivery and iterative refinement.
- Deployed interactive analytics dashboards with real-time task status and individual contribution metrics, resulting in a 15% increase in task completion rate and improved team morale.

Deepfake Detection   **May 2024 – June 2024.**

Created advanced detection systems to identify manipulated and synthetic media content.

- Developed a video authentication system using Python, PyTorch, and OpenCV to improve dataset reliability by 30%.
- Optimized deep learning models with ResNeXt-50 and LSTM, enhancing classification accuracy by 15%.
- Boosted training speed by 40% using adaptive pooling and strategic dropout techniques in our detection pipeline.
- Enhanced model robustness by 15% through advanced data preprocessing and augmentation techniques, reducing overfitting.

College Chatbot   **October 2023 – November 2023**

AI-powered student support system showcased during the VIT Bhopal project exhibition.

- Built and deployed a chatbot using LLaMA, Rasa, and Node.js, improving query resolution accuracy by 40%.
- Optimized NLU components and backend workflows to reduce average response time by 30%.
- Integrated memory features for multi-turn conversations, enhancing flow and overall user satisfaction.
- Worked with UI/UX designers to deliver an intuitive interface for academic and administrative access.

Technical Skills

Programming Languages: Python (Advanced), Java, C++(Advanced), SQL
ML/DL Frameworks: TensorFlow, PyTorch, Scikit-learn, Keras
Data Science & Analytics: Pandas, NumPy, Matplotlib, Statistical Modeling
Algorithms & Math: Data Structures, Algorithms, Linear Algebra, Probability
Web Development: React, Node.js, JavaScript (ES6+), HTML5, CSS3

Extracurricular

Lead UI/ UX designer at Insights Club   **July 2023- till date**
Vellore Institute of Technology, Bhopal
Designed 50+ newsletter editions using Photoshop, Canva, and Figma, boosting readership by 40% through visually engaging layouts.

Vice- President   **April 2020- April 2022**
Methodist High School, Kanpur
Led disciplinary and extracurricular initiatives for 2000+ students, improving participation by 40% and reducing incidents by 30%.

Additional

Certificates:

- **GEN AI using IBM Watson**   **April 2025**
- NPTEL: Privacy and Security (silver badge)   **April 2024**
- **Coursera: Advanced Learning Algorithms**   **March 2023**
- **Coursera: Applied Machine Learning in Python**   November 2023

Languages: Fluent in Hindi and English, with a strong grasp of both written and spoken communication.