Samridhi Jaiswal

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Education

VIT Bhopal University   Bhopal, Madhya Pradesh   Cumulative GPA: 8.82/10
BTech   Expected May 2025
Major in Computer Science; Minors in Artificial Intelligence and Machine Learning

Technical Skills

Languages: C++ (Advanced), Python, SQL | ML Stack: TensorFlow, PyTorch, Scikit-learn | Core: DSA, Linear Algebra

Projects

Microtask Vault   **AI Web App**   **October 2024 – April 2025**
GenAI, React, NodeJs, MongoDB

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 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.
- Delivered 25% faster task completion, 40% higher user retention, and 99% uptime for employers by streamlining AI-powered workflows.

Deepfake Detection   **ML Based Authentication System**   **May 2024 – June 2024**
Python, Pytorch, OpenCV

Advanced detection systems to identify manipulated and synthetic media content.

- Purpose: Detect and flag AI-generated deep fakes with 94% accuracy to combat digital misinformation.
- Streamlined 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   **GenAI**   **October 2023 – November 2023**
GenAI, NLP, LLaMA, Nodejs

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%.
- Combined NLU components and backend workflows to reduce average response time by 30%.
- Implemented context-aware memory for multi-turn conversations, boosting user satisfaction scores by 25%.
- Worked with UI/UX designers to create an intuitive interface, adopted by 500+ students for academic/admin queries.

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** : certificate by IBM cognitive classes   **April 2025**
- **Applied Machine Learning in Python** : University of Michigan   **November 2023**

Languages: Hindi (Native), English (Fluent): Delivered 20+ technical presentations in English; authored 10+ project reports with 100% clarity feedback