Samarth Tiwari

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https://portfolio-samarth.netlify.app/

TECHNICAL SKILLS

Programming Languages: Python, SQL, Java

Deep Learning Frameworks: TensorFlow, Keras, NLP, GenAI, LLMs, GPT-4, Prompt Engineering, RAGs, Transformers

Libraries & Tools: NumPy, Pandas, Scikit-learn, OpenCV, NLTK, Scapy, Git, Streamlit, Hugging Face

PROJECTS

ApexFinance   Oct 2025 – Present
AI-Powered Personal Finance Co-Pilot (India)   *React.js, Node.js/Express, Google Gemini API, Firebase Auth*
- Developed a **full-stack AI-driven personal finance platform** with conversational input, integrating **Google Gemini API** across 4 modules (Tax, Retirement, Insurance, Loan), boosting personalization accuracy by **30%**.
- Implemented **secure Firebase authentication** and scalable architecture handling **10k+ monthly requests** while safeguarding sensitive financial data for **1,000+ users**.
- Automated **CI/CD pipelines with Vercel/Render**, ensuring **99.9% uptime** and less than 200ms response times via cron job monitoring.
- Established a CI/CD pipeline with Vercel (frontend) and Render (backend) from GitHub, ensuring seamless deployment and 99.9% uptime via cron job monitoring

DepoIndex   Jun 2025 – Jul 2025
AI-powered Deposition Transcript Indexing Tool   *Python, Gemini 2.5 Flash, Scikit-learn*
- Built an end-to-end system to automatically generate a structured Table of Contents (TOC) for legal deposition transcripts, reducing manual indexing time by **80%**
- Designed custom parsing and topic clustering algorithms to support **3+ transcript formats** with **95% parsing accuracy**
- Enhanced transcript navigation efficiency, enabling users to locate key topics **5× faster** with page and line references

EXPERIENCE

Python Developer – Data Science & AI Intern   May 2025 – July 2025
ExaTip Technologies   *Indore, MP*
- Developed **Python scripts** for data preprocessing, transformation, visualization and **exploratory data analysis (EDA)**, improving data quality and model readiness.
- Built and tested **machine learning models** (scikit-learn, pandas, NumPy, matplotlib) for real-world business use cases, achieving reliable predictive insights.
- Integrated **AI models with REST APIs** and collaborated via Git, contributing to end-to-end deployment and seamless team workflow.

EDUCATION

VIT Bhopal University   Bhopal, MP
BTech Computer Science and Engineering Spec in Cloud Computing and Automation   *Aug 2023 – May 2027*

Rankers International School   Indore, MP
12th Standard, CBSE - 76.4   *April 2021 – April 2023*

SICA   Indore, MP
10th Standard, CBSE - 75.6   *April 2011 – March 2021*

ACHIEVEMENTS AND CERTIFICATIONS

- IBM Professional Data Scientist
- **Secured 1st Prize** at the *Nexus Nebula Hackathon* organized by Manipal University Jaipur