SAYAN ADHIKARY

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PROFESSIONAL SUMMARY

Final-year Computer Science student skilled in full-stack web development (**React, Node.js, MongoDB**) with project experience in AI-based applications. Passionate about problem-solving, clean code, and currently exploring **Agentic AI** for building intelligent, autonomous systems.

SKILLS

- **Programming:** Python, C++, JavaScript, HTML, CSS
- **Web Development:** React.js, Node.js, Express.js, MongoDB, Firebase, REST APIs, JWT Authentication
- **Tools & Platforms:** Git, GitHub

EDUCATION

Techno Engineering College, Banipur   **2022 - present**
B.Tech. in Computer Science & Engineering   **Current CGPA: 7.34**

Habra High School (H.S)
Secondary (X): 88% | Higher Secondary (XII): 89%

PROJECTS

Crypto Verse – Digital Assets Hub 🔗
Tech Stack: Next.js, React, Tailwind CSS, Redux Toolkit, Chart.js, RapidAPI.

- Built a cryptocurrency tracking platform that consolidated live prices, market stats, and news into one dashboard, reducing information lookup time by 40%.
- Integrated CoinRanking API & News API via RapidAPI, improving data accuracy and enabling real-time updates within 2s latency.
- Optimized state management with Redux Toolkit, cutting redundant API calls by 30% and boosting app responsiveness.

Data Analyzer CLI — Python, Pandas, Matplotlib, argparse 🔗
- Engineered a modular CLI tool to automate data cleaning, analysis, and visualization for CSV/Excel datasets up to 1M+ rows, cutting manual analysis time by 70%.
- Designed 12+ analytical features including summary stats, filtering, groupby, correlation heatmaps, and multi-type charts (bar/line/hist/pie), improving data insights 3× faster.
- Automated report exports (CSV, PNG, consolidated PDF), boosting reporting efficiency by 60% for repetitive workflows.

Local AI Chatbot – LangChain + Ollama LLaMA 2.3
- Built a local AI-powered chatbot integrating LangChain with Ollama's LLaMA 2.3 model.
- Implemented conversational memory, prompt chaining, and context-aware responses.
- Deployed as a lightweight local application, demonstrating LLM.

CERTIFICATIONS & ACHIEVEMENTS

- AWS Academy Machine Learning Foundations
- 100 Days of Python – Udemy
- Introduction to Artificial Intelligence – IBM SkillsBuild Student Ambassador Program

INTERSETS

Agentic AI
Learning Agentic AI with a focus on autonomous systems, intelligent agents, and next-gen AI applications.