KRUTIKA GADGE

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EDUCATION

Bachelor of Technology in Computer Science Engineering (CSE)   **(Pursuing, 2022 - 2026)**
Symbiosis Institute of Technology, Nagpur
- CGPA: 8.33

PROJECT

Cryptocurrency Price Forecasting   **Jan 2024- Apr 2024**
- Developed a cryptocurrency price forecasting system using web scraping, data analysis, and machine learning, enhancing model accuracy by 15%.
- Scraped and processed over 500,000 records from CoinMarketCap using BeautifulSoup and Scrapy, optimizing data retrieval and storage.
- Utilized Pandas and NumPy for exploratory data analysis, improving data processing efficiency by 20% and reducing computation time by 10%.
- Conducted time series analysis on Bitcoin's historical data, engineered features, and trained models using Scikit-learn and TensorFlow for optimal prediction accuracy.
- Built a GUI using Tkinter for real-time data visualization and interactive exploration, seamlessly integrating the GUI with data processing and model components.

PUBLICATION

- Title: **CryptoSentiment Forecast:** Integrating Web Scraping and Data Analysis for Cryptocurrency Price Prediction
- Journal-: **International Journal on Informatics Visualization (JOIV),** scopus Q3
- Abstract : Performed data preprocessing and exploratory data analysis (EDA) using Pandas and NumPy of over 50000 data records. Optimized and evaluated machine learning models including LSTM, RNN, and SVM for price prediction which resulted in 65% accuracy.

TECHNICAL SKILLS

- Programming Language: Python, **SQL**, C , C++, Java (basic)
- Web Development: HTML , CSS
- Operating Systems: **LINUX ,** Windows
- Data Analysis Tools : MS-Excel, Power-BI
- Machine Learning & AI: Machine Learning, **Deep Learning**, Generative AI, **NLP**, **LLM**
- Development Methodologies: **Agile**

CERTIFICATION

The Comprehensive Data Science Program   **July 2024 - Dec 2024**
Currently pursuing an advanced course in data analytics, machine learning, and AI.
- **Skills Acquired:** Expertise in Python, SQL, Power BI, and Excel for data analysis and statistical modeling.
- **Advanced Techniques:** Machine Learning, Deep Learning, Generative AI, NLP, and LLM for predictive modeling and NLP solutions.

Oracle Java Fundamentals
- Acquired knowledge in object-oriented programming, algorithms, and data structures using Java.

ADDITIONAL INFORMATION

- **Languages:** English, German.
- **Leadership & Project Management:** Led a team of 4 developers, consistently delivering projects on time while achieving all key milestones. Enhanced cross-team collaboration, resulting in a 30% improvement in efficiency.
- **Community Service with Avabodh Foundation:** Proactively involved in NGO initiatives, contributing to documentation, internship programs, and CSR fund management.