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

PROJECTS

Bank Churn Analysis using Power BI

- Developed a comprehensive Power BI dashboard to analyze and visualize customer churn in the banking industry.
- Implemented DAX calculations to generate dynamic metrics, identifying key drivers behind customer churn.
- Designed interactive visuals and data drill-downs, delivering actionable insights to support strategic decision-making for customer retention.

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%.
- Researched patterns from more than 500,000 records scraped from CoinMarketCap to inform feature selection strategies for modeling initiatives focused on enhancing long-term forecasts concerning cryptocurrency pricing trends.

PUBLICATIONS

- 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 Languages: Python, C
- Data Analysis & Visualization: SQL, MS Excel, Power BI
- Web Development: HTML, CSS
- Operating Systems: Linux, Windows
- Development Methodologies: Agile

CERTIFICATION

The Comprehensive Data Science Program

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.

Oracle Database Foundations

Acquired knowledge in database design, normalization, SQL querying, and data management concepts.

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.