SIDDHI GAIKWAD

Software Engineer — IIT Bombay Grad

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Education

Indian Institute of Technology, Bombay   2020 − 2024
Bachelor of Technology   *Mumbai, India*

Experience

Software Engineer Designated as Data Analyst   June 2024 − Jan 2025
Cargill   *Bangalore, Karnataka*
- Developed a scalable data-driven platform in a cross-functional team to ensure compliance for over 25,000 suppliers aligned with new EU regulatory mandates
- Designed, built, and automated RESTful API workflows for data upload, inline editing, deletion, and real-time compliance reporting, using Spring Boot and Postman for testing
- Centralized multi-source supplier records in PostgreSQL and AWS S3 to strengthen data security, integrity, traceability
- Collaborated closely with business and technical stakeholders to deliver APIs supporting core logic (supply chain traceability) and seamless external client integrations
- Delivered project Minimum Viable Product (MVP) within 18 weeks, streamlining compliance operations and reducing manual processing workload by 70%

Data Analyst Intern   May 2023 − Jul 2023
World Of Steel   *Mumbai, India*
- Analyzed product data of 10K+ firms via Salesforce and Excel, identifying profitable sales and procurement leads
- Utilized WordPress to develop and design website pages, implementing strategic meta tags to enhance SEO performance
- Achieved a remarkable 15% expansion of customer database by seamlessly integrating the global data of 50+ countries
- Presented insights on Green Steel Technology in webinar hosted by BIS Research Foundation, attended by 70+ experts

Projects

Algorithmic Trading Platform | *Python, Pandas, Backtesting*   Jul 2022 − Aug 2022
- Developed Python-based Pair trading algorithm to identify and trade pairs of similar stocks in a market-neutral strategy
- Applied Moving Average, EWMA, Bollinger Bands, and RSI indicators to implement and optimize mean reversion trading strategies for BST signals
- Backtested algorithm on the Indian financial market's 5 years of historical data with an average profit margin of 5-10%

Weather Classifier Neural Network | *TensorFlow, Python, OpenCV*   Jun 2022 − Jul 2022
- Performed EDA using OpenCV on input dataset of 10K+ images by classifying them into 5 weather conditions.
- Built and optimized convolutional neural network (CNN) ensemble using VGG16, VGG19, ResNet50, and DenseNet201
- Ranked 5th out of 100+ teams in Analytics Club's university wide deep learning challenge, achieving 83% test accuracy

Technical Skills

Languages: Python, Java, C++, SQL, R, LaTeX, MATLAB
Frameworks: Spring Boot, TensorFlow, Docker, Kubernetes, WordPress
Analytics/Cloud/Tools: AWS (S3), Power BI, Git, Postman, IntelliJ IDEA, VS Code, Salesforce
Libraries: pandas, NumPy, Matplotlib, OpenCV, Scikit-learn, Seaborn, Keras

Relevant Coursework

- Data Structures
- OOPS
- Algorithms Analysis
- Database Management
- Machine Learning
- Deep Learning
- Probability
- Statistics

Leadership / Extracurricular

Events Manager   Jul 2022 − Nov 2022
Metals & Materials Summit, IIT Bombay
- Ideated and strategized execution and operations of more than 10 events & competitions, managed INR 0.5M+ budget
- Led more than 3 impactful panel discussions on green steel technology with JSW, JSPL, Tata Steel, UPL, BARC