Rohan Borse

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SUMMARY

Data Analyst with 0.6 years of experience utilizing Python and SQL for analyzing machine data. Improved demand forecasting models by 25% and boosted machine learning predictive accuracy by 30%. Eager to contribute to data-driven decision-making in future roles through advanced analytics and interactive dashboards.

SKILLS

Technical Skills

- **Data Analysis & Visualization**: Excel, Python, SQL
- **Machine Learning & AI**: Statistical Modeling, Predictive Analytics, Generative AI, Image/Text Extraction
- **Programming**: Python (Pandas, NumPy, Scikit-learn, Matplotlib, Seaborn), SQL
- **Statistics & Data Analytics**: Statistical Modeling, Hypothesis Testing, Data Cleaning, Statistical Analysis

Soft Skills

- Critical Thinking
- Data Interpretation
- Strategic Thinking
- Collaboration
- Team Management

Core Competencies

- Analytical Problem-Solving Techniques
- Advanced Quantitative Analysis
- Data Analysis and Interpretation
- Strategic Decision-Making for Business Solutions

EXPERIENCE

Data Analyst

Digineous Techonologies Pvt ltd **July 2024 - Present, Pune, Maharashtra**

- Performed data analysis on 100,000+ mechanical machine vibration, current, and temperature data, improving demand forecasting models by 25% using Python and SQL, and enhanced machine learning models, increasing predictive accuracy by 30%.
- Built interactive Power BI dashboards for a fleet of 200+ machines, enhancing operational efficiency by 15%, and implemented data-driven strategies, reducing inefficiencies by 20% based on 50+ KPIs.
- Automated daily data collection, cleaning, and reporting of 10GB+ machine data, reducing manual work by 30%, and analyzed large datasets to uncover trends, boosting overall business performance by 10%.
- Collaborated with cross-functional teams to design AI and machine learning models, processing 500,000+ data points from machine operations, leading to real-time applications that influenced key decisions and increased revenue by 12%.
- Optimized SQL queries for large-scale machine data, reducing execution times by 40%, and deployed text and image extraction models to process 100,000+ machine records annually, reducing data entry errors by 25%.

PROJECTS

AI-Powered Healthcare Chatbot Using NLP and Machine Learning

CDAC Bangalore · June 2023 - Present

- Developed an AI-powered healthcare chatbot using NLP, ML, SQL, and HTML to provide personalized advice, schedule appointments, and analyze symptoms for 10,000+ patients, enhancing engagement and response accuracy.
- Engineered an NLP system to process medical inquiries with 90% accuracy, enabling timely interventions and handling 500+ daily inquiries, improving healthcare outcomes.
- Optimized backend SQL database management, reducing response times by 30% and ensuring quick access to critical medical data, supporting seamless user experiences across devices.
- Built a user-friendly HTML interface, improving patient engagement by 25%, and ensuring an intuitive experience for users of various technical expertise.
- Ensured HIPAA compliance by implementing robust privacy and security measures, safeguarding 50,000+ patient records while meeting regulatory standards.
- Integrated ML algorithms for continuous chatbot improvement, learning from 1,000+ interactions to increase response accuracy, efficiency, and user satisfaction.

Machine Learning-Based Financial Fraud Detection System

CDAC Bangalore · September 2023 - January 2024

- Developed a Machine Learning-based financial fraud detection system, analyzing 1 million+ transactions daily in real-time, identifying fraud with 25% higher accuracy than traditional methods.
- Implemented machine learning algorithms for transaction analysis, improving fraud detection and enabling earlier identification of fraudulent activities, reducing fraud-related losses by 15%.
- Designed customizable fraud detection filters using rule-based systems, allowing financial institutions to tailor solutions based on risk profiles, enhancing detection precision and flexibility.
- Integrated fraud databases, reducing false positives by 20%, streamlining transaction verification processes, and increasing overall system reliability.
- Generated detailed fraud reports, reducing investigation time by 30% and improving efficiency in identifying risks with actionable insights.
- Streamlined transaction workflows, reducing detection time by 40%, minimizing financial loss risks, and speeding response to emerging fraud patterns.

EDUCATION

Post Graduate Diploma in Big Data Analytics

CDAC · Bangalore · 2023 · 66 %

Bachelor's degree in Mechanical Engineering

Dr. Babasaheb Ambedkar Technological University · Lonere, Raigad, Maharashtra · 2021 · 8.08 CGPA

Senior Secondary (12th Grade)

Anand Maharaj Jr College · Nashik · 2017 · 54 %

Secondary School Certificate (10th Grade)

Jaihind HighSchool · Dhule · 2015 · 76 %

CERTIFICATIONS

Google Data Analytics

Grow with Google on Coursera · 2024

National Workshop on Natural Language Processing

Punjab university · 2024

Software Engineer Intern

Hacker Rank · 2023