

Nikhil Kathale

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SUMMARY

Results-oriented Business Analyst with expertise in business and product analytics, leveraging Machine Learning, Predictive Modeling, and Statistical Analysis to drive informed decision-making. Proficient in Python, SQL, and Power BI. Adept at data visualization, process automation, and performance optimization, delivering actionable insights to enhance business growth and efficiency.

SKILLS

- **Programming and Scripting**
Python, SQL, Bash,
- **Data Analysis and Visualization**
Data Analysis, Predictive Analytics, Customer Lifetime Value (CLV) Analysis, Strategic Data Insights, pandas, NumPy, Matplotlib, Seaborn, Power BI, Advanced Excel
- **Data Engineering and Cloud Tools**
Azure Databricks, Apache Spark, Data Pipelines, ETL/ELT Workflows
- **DevOps and Automation**
Docker, AWS (basic exposure), Process Automation, CI/CD Basics, Selenium (for data-driven testing)
- **Project and Workflow Management**
JIRA, Git, GitHub, Linux (Ubuntu, shell scripting), Agile methodology

EXPERIENCE

Data Scientist Intern ELIXER.AI

Apr 2025-Current

Project 1: Harvard University – Nutrient Density Prediction in Flowering Plants (Ongoing)

- Spearheaded data collection and preprocessing of global FCT datasets (19GB+) from over 6 countries.
- Standardized botanical names using advanced APIs and web scraping techniques.
- Executed insightful exploratory data analysis (EDA), clustering, and taxonomic mapping to identify patterns.
- Managed biological datasets using Python, SQL, GitHub, and visualization libraries like Matplotlib.

Tools: Python, SQL, pandas, Matplotlib, GitHub

Project 2: Yoga Business – Digital Expansion Strategy

- Designed a strategic business roadmap to accelerate both online and offline growth.
- Engineered a custom web scraper using Selenium & BeautifulSoup to analyze property listings from MagicBricks.
- Facilitated dynamic client engagement through documentation, meetings, and demo presentations.

Tools: Python, Selenium, Excel

Project 3: Bhopal Municipal Corporation – Government Website Deployment

- Deployed and maintained a secure, scalable government website hosted on AWS EC2.
- Configured Apache and Nginx web servers; optimized DNS settings for high availability.
- Ensured robust uptime and system reliability through structured monitoring.

Tools: AWS EC2, Apache, Nginx

Project 4: Prasanti Cancer Care Mission – ERP Deployment for Hospital

- Architected a scalable CI/CD infrastructure for a hospital ERP system.

- Deployed using tools like Git, Jenkins, AWS CodePipeline, and CodeDeploy.
- Enhanced system security with Docker, AWS Secrets Manager, and CloudWatch monitoring.

Tools: AWS (EC2, RDS, S3, VPC, Route 53, ACM), Docker, Jenkins, Django

Jr. Software QA Tester

AXAT Technologies **Dec 2022 -May 2024**

- Extracted, transformed, and validated data using SQL from client-side databases, ensuring high data integrity and accuracy for analytical reporting.
- Automated data extraction, validation, and web testing processes using Python with Selenium, enhancing efficiency in data collection, analysis, and quality assurance.
- Developed interactive Power BI dashboards to visualize key metrics, track defects, and monitor system performance, enabling stakeholders to make data-driven decisions.
- Deployed and monitored beta applications using AWS, Docker, and CI/CD pipelines, ensuring scalability, seamless integration, and real-environment testing.
- Managed and enhanced CMS admin panels for 5+ platforms, optimizing database performance and improving operational efficiency.
- Collaborated cross-functionally with developers, analysts, and product teams, leveraging data analytics and business intelligence tools to enhance stakeholder communication and decision-making.

INTERNSHIP

Business Analyst Intern **Nov 2024 – Dec 2024**
Kotak Education Foundation

- Handled and managed large datasets, retrieving and preprocessing data for accurate analysis.
- Developed interactive Power BI dashboards, transforming complex data into actionable insights for strategic decision-making.
- Optimized data workflows and automated reporting, reducing manual efforts by 25% and accelerating decision-making cycles.
- Identified KPIs, improving program outcomes by 15% through targeted interventions based on data insights.

PROJECTS

Stock Price Prediction – Machine Learning Model

- Built a Linear Regression model to predict next-day closing prices for Nifty-50 stocks, achieving an accuracy of 83.70%.
- Optimized predictions through data normalization with StandardScaler, enhancing model performance..
- Automated Model Training & Prediction, reducing manual intervention by 90% and improving efficiency.

EDUCATION

MBA - Business Analytics
ITM Business School • Navi Mumbai, Maharashtra • 2026

BSc – Computer Science
Pillai College of Engineering • New Panvel ,Maharashtra • 2022

Certification

APPLYING DATA ANALYTICS IN FINANCE	University of Illinois Urbana-Champaign
DATABASE AND SQL FOR DATA SCIENCE WITH PYTHON	IBM
DATA ANALYSIS WITH R	IBM

