Dhananjay Kothawale

Chh. Sambhajinagar, Maharashtra, India dhananjaykothawale80@gmail.com +91 7385836878
LinkedIn GitHub

Objective

Aspiring Data Analyst with a strong foundation in **data wrangling, machine learning, and business intelligence**. Seeking an internship role to apply skills in building interactive **Power BI dashboards**, writing optimized **SQL queries**, and developing predictive models to uncover actionable insights. **Microsoft-certified in Data Analysis**, with hands-on expertise in **Python (Pandas, NumPy)** and statistical modeling. Proficient in data cleaning, exploratory data analysis (EDA), and creating data-driven solutions to solve complex business problems.

Education

Shreeyash College of Engineering and Technology *Aug 2022 – June 2026*
B.E. in Computer Science Engineering (Data Science)

- **CGPA: 7.7/10.0**
- **Relevant Coursework:** Data Structures & Algorithms, Machine Learning, Database Systems, Statistical Analysis, Data Visualization, Big Data Fundamentals, Business Intelligence, Predictive Modeling
- **Technical Skills:** Data Analysis, Statistical Modeling, Database Management, Data Mining, Pattern Recognition

Work Experience

Data Science Intern *Remote*
Cognifyz Technologies *Jul 2024 – Aug 2024*

- Automated data cleaning pipelines using **Python (Pandas, NumPy)**, reducing processing time by **30%** and improving data quality
- Designed **Power BI dashboards** to track KPIs, improving reporting efficiency by **40%** and enabling real-time business monitoring
- Conducted customer segmentation using clustering algorithms to identify **top 3 revenue groups** contributing **68%** of total revenue
- Performed statistical analysis and hypothesis testing to validate business insights and support data-driven decision making

Data Analyst Intern *Remote*
Internship Studio *May 2024 – Jul 2024*

- Performed **Exploratory Data Analysis (EDA)** on **10,000+ retail records**, uncovering key customer behavior patterns and seasonal trends
- Developed optimized **SQL queries** for large-scale relational databases, achieving **25% faster data retrieval** and improved query performance
- Supported **data-driven marketing strategies**, increasing **ROI by 15%** through targeted campaigns and customer analytics
- Created comprehensive data validation reports and documentation to ensure data integrity across all analytical processes

Projects

Face Recognition-Based Student Attendance System *GitHub*

- Engineered a real-time face recognition attendance system with **95% accuracy** using:
  - **MTCNN** for multi-face detection and **FaceNet + Cosine Similarity** for identification
  - Computer vision techniques for robust facial feature extraction and matching
- Implemented critical features:

  - Motion-blur rejection for low-light environments and admin-secured dashboard for user management
  - Automated attendance tracking with real-time notification system
- Achieved **100% offline functionality** using SQLite database and Excel/CSV export integration
- Reduced manual attendance tracking time by **80%** while maintaining high accuracy and reliability

Road Accident Analysis & Safety Insights *LinkedIn*

- Built an interactive **data visualization dashboard** analyzing **144,000+ accident reports**:
  - Identified **high-risk zones** (urban: **61.95%** of accidents) and critical safety hotspots
  - Revealed an **11.7% year-over-year reduction** in total accidents through trend analysis
- Uncovered critical **daytime accident trend** (**73.84% occurrence**) and contributing factors:
  - Findings directly informed **traffic policy proposals** and urban safety planning strategies
  - Enabled data-driven decision making for municipal transportation departments

Customer Analytics & Sales Forecasting *GitHub*

- Developed predictive models for sales forecasting using time series analysis and regression techniques
  - Achieved **88% accuracy** in quarterly sales predictions using historical data patterns
  - Implemented customer segmentation to identify high-value customer groups and buying patterns
- Created comprehensive customer lifetime value (CLV) analysis:
  - Identified key customer retention strategies leading to **20% improvement** in customer engagement
  - Provided actionable insights for marketing budget allocation and campaign optimization

Technical Skills

Programming Languages:	Python, SQL, C, C++
Data Analysis & Wrangling:	Pandas, NumPy, EDA, Statistical Analysis, Data Cleaning
Data Visualization:	Power BI, Matplotlib, Seaborn, Excel, Dashboard Design
Machine Learning:	Scikit-learn, Supervised Learning, Predictive Modeling, OpenCV
Database Management:	MySQL, SQLite, Database Design, Query Optimization
Development Tools:	Git, Flask, Jupyter Notebook, Visual Studio Code
Business Intelligence:	KPI Tracking, Reporting, Data-driven Decision Making

Achievements & Certifications

- **Academic Excellence** *LinkedIn*
  - Secured **1st Prize** in TECHNOYASH-25 for developing a **Face Recognition Attendance System** (95% accuracy)
  - Recognized for innovative application of computer vision and machine learning technologies

- **Technical Certifications**
  - **Microsoft Certified** — Career Essentials in Data Analysis (2024) *LinkedIn*
  - **Python Programming** — CloudThat Certification (Aug 2023) *LinkedIn*
  - **SQL for Data Analysis** — Online Certification (2023)
  - **Data Visualization with Power BI** — Self-paced Learning Certification

- **Leadership & Events**
  - Organized **"Test Your Skills"** coding competition for 100+ CSE students (Oct 2024)
  - Active participant in data science hackathons and technical workshops

Additional Information

- **Languages:** English (Professional), Hindi (Fluent), Marathi (Native)
- **Interests:** Data Science Research, Machine Learning Applications, Open Source Contributions, Technical Blogging
- **Avalability:** Immediately available for internships and project collaborations
- **Portfolio:** Active GitHub profile with multiple data analysis and machine learning projects