# Shubham Khedekar

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## OBJECTIVE

Enthusiastic Data Scientist with hands-on experience from an internship at Cognition Tech, skilled in Data Analysis and Visualization (Python, Pandas, Matplotlib, Seaborn) and SQL for data management. Expertise in Machine Learning (Regression, Classification, Clustering), OPENCV, Excel and Power-BI. Proficient in Data Cleaning and Preprocessing and applying statistical methods to deliver actionable insights and drive data-driven decisions.

## SKILLS

- **Programming Languages:** SQL, Python, C, C++
- **Database Systems:** MySQL, PostgreSQL
- **Analytical / Business Intelligence Tools:** Power BI, Tableau, Excel, PowerPoint
- **Libraries:** Pandas, Numpy, Scikit-Learn, Matplotlib, Seaborn, Streamlit, RNN, CNN
- **Statistical / Machine Learning Models:** Regression Analysis, Classification Analysis, Exploratory Data Analysis
- **Platforms:** PyCharm, Jupyter Notebook, Visual Studio Code, Goggle Collab , DevCPP

## INTERNSHIP

### Data Science Intern

Cognition Technology                                                             May 2024 – October 2024

- Supported data collection, cleaning, and preprocessing to ensure high-quality datasets for analysis.
- Conducted Exploratory Data Analysis (EDA) using statistical techniques to uncover actionable insights. Built and evaluated machine learning models (e.g., regression, classification) and created data visualizations with Matplotlib and Seaborn to present key findings.
- Collaborated with cross-functional teams to align data strategies with business goals and documented workflows for reproducible reporting. Continuously enhanced skills by staying updated on the latest data science methodologies and tools.

### Data Analyst Intern

Acmegrade Industry                                                             January 2024 – April 2024

- Assisted in data preprocessing, including cleaning, transforming, and normalizing datasets to ensure data quality. Conducted Exploratory Data Analysis (EDA) using Excel and Python to identify trends, patterns, and actionable insights.
- Created interactive dashboards in Power BI to effectively present insights to stakeholders and support decision-making.
- Utilized SQL for data extraction, aggregation, and querying to generate reports for business intelligence. Collaborated with senior teams to develop analytical solutions and prepared comprehensive summary reports for projects.

## PROJECTS

### Project A: [IPL Score Prediction]

*Tools: [Python, Regression Models, Feature Engineering, Streamlit, Data Analysis, Machine Learning]*

- Developed a machine learning model with 95% accuracy for predicting IPL match scores using regression algorithms. Applied advanced feature engineering and optimized hyperparameters. Built an interactive Streamlit web app for score prediction, enhancing user engagement by 35%. Analyzed over 1 million data points from IPL matches, identifying key factors influencing match outcomes.

### Project B: [Predictive Maintenance]

*Tools: [Python, EDA, Machine Learning, Random Forest, Naive Bayes, Feature Engineering, Scikit-learn]*

- Developed and deployed a machine learning solution to predict potential machine failures using operational sensor data. This project aimed to reduce unplanned downtime, optimize maintenance schedules, and minimize overall operational costs. Leveraging real-world manufacturing data, the model provides actionable insights into equipment health.

### Project C: [Credit Card Transaction & Customers Report]

*Tools: [MySQL Power BI, Data Analysis, Credit Card Datasets]*

- Developed a comprehensive Power BI dashboard to provide stakeholders with real-time insights into weekly credit card transactions. The dashboard highlights key performance metrics such as transaction volumes, customer trends, and spending patterns, enabling more effective monitoring and analysis of credit card operations.

## EDUCATIONS

**MES's Institute of Management & Career Courses (IMCC)**                                    JUNE 2023
*Master of Computer Application*                                                                        Pune

**Deogiri Institute of Technology & Management Studies (DITMS)**                                    JUNE 2021
*Bachelor of Computer Science*                                                            Chh. Sambhaji Nagar

## CERTIFICATIONS

- **Hacker Rank Certified: SQL(Basic)**
- **Master's in data science & machine learning with AI**
- **Data Analytics with Python by IBM**
- **Power-BI Data Analyst**