AKSHAT PATIL

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INTERNSHIPS

TDK PRIVATE LIMITED | ONSITE   **Dec 2023 – Jan 2024**

Projects

- **PLC (Siemens S7-1500) Programming using Python and Snap7 Library**: Developed seamless communication between PC and Siemens S7-1500 PLC.
- **Real-Time Integration of Air Pressure Sensor with PLC (Siemens S7-1500) and Machine Learning Model**: Captured real-time sensor data, stored in MS SQL Server, and developed a model for predicting air pressure.
- **Data Visualization in Energy Management System (EMS) Using Tableau**: Created visualizations in Tableau and developed custom SQL queries for trend analysis.
- **Technology Stack**: Python, Snap7, Siemens S7-1500, SQL, MS SQL Server, Tableau

TECHNOKRAFT | VIRTUAL   **Dec 2023 – Jan 2024**

Projects

- **Predictive Modeling for Loan Approval**: Developed a machine learning model to predict loan approval based on customer data.
- **Creating an Informative Tableau Dashboard**: Designed a Tableau dashboard for visualizing loan prediction results and data insights.
- **Technology Stack**: Python, Pandas, NumPy, Matplotlib, Scikit-learn, Seaborn, Tableau

ACADEMOR | VIRTUAL   **Aug 2023 – Sep 2023**

Projects

- **Student Planner System**: Independently developed a system to help students organize their schedules and tasks.
- **Big Mart Sales Prediction**: Collaborated on a machine learning project to analyze historical sales data and optimize inventory management and profitability.
- **Technology Stack**: Python, Pandas, NumPy, Matplotlib, Scikit-learn, Seaborn

EDUCATION

K. K. WAGH INSTITUTE OF ENGINEERING AND EDUCATION RESEARCH | NASHIK

- Bachelor of Engineering | 2021 - Present
- Artificial Intelligence and Data Science | Final Year
- Average CGPA - **7.73/10.00**

MATOSHRI JUNOIR COLLEGE | NASHIK

- Higher Secondary Certificate | 2021
- Percentage - **88%**

SKILLS

- **Programming Languages:** Python | C++
- **SQL**: Queries | MS SQL Server
- **Machine Learning**: Supervised & Unsupervised Learning | Scikit-learn | Pytorch | TensorFlow | Keras
- **Data Visualization:** Charts | Graphs | Dashboards | Matplotlib | Seaborn | Tableau | Excel