# SYED ARSHAD A

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## PROFESSIONAL SUMMARY

Results-driven and detail-oriented final-year B.Tech Information Technology student (Anna University) with hands-on experience in **data collection, preprocessing**, **exploratory data analysis (EDA)**, and **predictive modeling**. Skilled in **machine learning**, **feature engineering**, and deploying data science solutions. Proficient in using Python, SQL, and visualization tools (Power BI, Matplotlib) to turn data into actionable insights. Seeking a Data Science Internship role to apply analytical and programming skills to solve business challenges.

## SKILLS

- **Programming Languages**: Python, R, SQL,
- **Libraries**: NumPy, Pandas, Scikit-learn, Statsmodels, Seaborn, Matplotlib, TensorFlow, PyTorch
- **Data Handling & Preprocessing**: Data cleaning, transformation, feature engineering, EDA
- **Visualization & Reporting**: Power BI, Plotly, Seaborn, Matplotlib
- **Tools**: Google Colab, Jupyter, Git, GitHub, VS Code
- **Concepts**: Statistical analysis, Hypothesis testing, Model evaluation & tuning

## WORK EXPERIANCE

**Data Science & AI Intern**
*Labmentix Edtech Pvt. Ltd. | Remote | Jun 2025 – Aug 2025*

- **Collected, cleaned, and preprocessed** large datasets from YES Bank and PhonePe Pulse GitHub repositories.
- Performed **EDA to identify patterns, trends, and outliers** using statistical techniques and visualizations.
- Built and evaluated predictive models (Linear Regression, Random Forest, XGBoost) using **cross-validation**.
- Conducted **feature engineering** to enhance model performance and interpretability.
- Imported transactional data into MySQL, created queries, and visualized KPIs using Power BI dashboards.
- Delivered end-to-end project artifacts including .ipynb notebooks, model files, and business presentations.

**Tools**: Python, Pandas, Scikit-learn, SQL, Power BI, Git, Matplotlib, Seaborn

## PROJECTS

➢ **YES Bank Stock Price Prediction |[link]**
  - Cleaned historical stock data, performed EDA, and built models using Linear Regression, Random Forest, and XGBoost.
  - Implemented **feature engineering**, time series components, and hyperparameter tuning.
  - Delivered model evaluations and visual dashboards to support investment decision-making.

➢ **PhonePe Pulse Data Analysis | [link]**
  - Collected and transformed structured transaction data from PhonePe Pulse GitHub into SQL database.
  - Used **Power BI for multi-dimensional dashboards** showing user behavior, volume spikes, and geographic trends.
  - Suggested strategic insights for digital payment growth based on data-driven analysis.

## CERTIFICATIONS

- **Machine Learning (GUVI)**: Built supervised and unsupervised learning models.
- **Introduction to Generative AI (Google/Coursera)**: Gained hands-on experience with transformer models and text generation.
- **Python for Data Science, AI & Development (IBM):** Gained proficiency in Python fundamentals and its applications in data science, artificial intelligence, and software development.
- **Data Visualization Using Python (Guvi)**: Completed hands-on training in visualizing data using Python libraries like Matplotlib and Seaborn. Learned to present insights through clear, effective charts.

## EDUCATION

**Bachelor of Technology in Information Technology**                                    **2022- 2026**

**C. Abdul Hakeem College of Engineering and Technology (Anna University)**

- Relevant Coursework:  Machine Learning, Data science.