

# Aditya Sharma

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## EDUCATION

### **Dayalbagh Educational Institute**

B.tech in Mechanical Engineering(Specialization - Computer Science)

Agra, India

Expected Graduation, May 2027

- **Concentrations:** Machine Learning, Artificial Intelligence & Data Science
- **Related Coursework:** Data Science, Data Structures & Algorithms, Machine Learning, Artificial Intelligence, Statistics & Applications

## EXPERIENCE

### **Silogix Nanosystems Pvt. Ltd.**

Engineering Intern

Jun 2025 – Jul 2025

- Developed Python scripts to automate file operations, processing **over 500+ sensor logs** and reducing manual entry time by 12%.
- Analyzed datasets using NumPy and Pandas to visualize **sensor calibration trends and thermal variability** for client reports.

## SKILLS

- **Programming:** Python, SQL, JavaScript, HTML/CSS, C++
- **Libraries & Frameworks:** NumPy, Pandas, Scikit-learn, FastAPI, OpenCV
- **Tools:** AWS, Git, Jupyter Notebooks, n8n, PyCharm
- **Mathematical & Quantitative Skills:** Linear Algebra, Probability, Stochastic Calculus

## PROJECTS

### **Automated Career Analytics Pipeline & Dashboard | n8n, Power BI, Python**

Oct 2025 – Dec 2025

- Orchestrated an end-to-end ETL pipeline using n8n to scrape, clean, and structure job market data, automating the application process for over 50+ roles.
- Engineered a centralized data repository on Google Sheets to store application history, status updates, and keyword analysis results.
- Developed an interactive Power BI dashboard to visualize recruitment KPIs, tracking application-to-interview conversion rates and identifying high yield job platforms.

### **Financial Time-Series Forecasting Model | TensorFlow, Keras, Pandas**

Mar 2025 – Apr 2025

- Designed a recurrent neural network (LSTM) pipeline to analyze historical stock volatility, utilizing Pandas for time-series windowing and feature engineering.
- Benchmarked performance of LSTM against baseline models (Linear Regression), achieving a consistent improvement in directional trend identification.
- Visualized market seasonality and moving averages using Seaborn, identifying key correlation features for model training.

## ACTIVITIES AND LEADERSHIP

### **Dayalbagh Educational Institute**

Training and Placement Cell Coordinator.

Agra, India

Feb 2024 – Current

- Liaised between corporate HR representatives and university administration to streamline the interview process.