

# Tushar Lawande

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## Summary

- I'm a Data Scientist with deep expertise in Python and R, specializing in turning complex data into clear insights. I excel at using advanced statistical analysis and machine learning to help businesses make informed decisions and achieve their goals.

## Technical Skills

**Languages:** Python, R, SQL, C++, Java

**Tools:** Numpy, Pandas, Matplotlib, Seaborn, Statistics, yfinance, Excel, Tableau, Power BI, Git, Time Series, Generative AI, Neural Networks, Chrome WebDriver, Jupyter Notebook, PyQt5, VTK, PyVista, Pytorch, PIL

**ML/AI:** TensorFlow, Hadoop, PyTorch, Tweepy, Plotly, Scikit-learn, NLP, Deep Learning, GCP, LLM, CV, GPU

**Soft Skills:** Strong Leadership, Effective Communication, Critical Problem-Solving, Collaborative Teamwork, Adaptability

## Experience

### Python Developer

Dec 2025 – Present

#### Micro Integrated Semiconductor Systems Pvt Ltd

- Building a high-performance 3D civil engineering design measurement desktop application (PyQt5 + VTK + Open3D + MySQL) for road, bridge, and infrastructure projects at Micro Integrated. Delivered a robust solution for precise modeling.

### Python Developer

Mar 2025 – Dec 2025

#### Mounarch Tech Solutions and Systems Pvt.Ltd

- Built real-time 3D point cloud visualization platform delivering sub-mm precision measurements via interactive GUI. Engineered pipelines processing multi-GB datasets at greater than 60 FPS with modular, production-grade code to boost team velocity and scalability.

## Projects

### Advanced Amazon Stock Price Forecasting with Random Forest Regressor, [Link](#) - [GitHub](#)

Jan 2024 – Feb 2024

- Developed a high-accuracy stock price forecasting model with Random Forest Regressor, achieving a 0.94 R<sup>2</sup> score through advanced feature engineering and validation.
- **Skills:** Machine Learning, Random Forest, Feature Engineering, Python, Pandas, NumPy, Scikit-learn

### Bitcoin Price Analysis, [Link](#) - [GitHub](#)

Feb 2024 – Mar 2024

- Analyzed historical Bitcoin price data to uncover trends and patterns, and visualized findings using advanced plotting techniques.
- **Skills:** Data Analysis, Data Visualization, Python, Matplotlib, Pandas, Quandl API, Plotly

### Amazon Prime Video Scraping, [Link](#) - [GitHub](#)

Mar 2024 – Apr 2024

- Developed a web scraping tool to collect and analyze data from Amazon Prime Video, generating insights into viewing trends and content popularity.
- **Skills:** Web Scraping, Data Collection, Python, Pandas, Selenium, BeautifulSoup

### Twitter Sentiment Analysis, [Link](#) - [GitHub](#)

Apr 2024 – May 2024

- Conducted sentiment analysis on Twitter data to gauge public opinion on various topics, leveraging NLP techniques to process and analyze text data, Accuracy 0.8.
- **Skills:** Sentiment Analysis, NLP, Python, SpaCy, Tweepy, NLTK, Matplotlib

[Full Projects](#), [Link](#) - [GitHub](#)

## Education

### Chandigarh University, Punjab

MCA (AI/ML), CGPA: 6.49(Grade B)

Post Graduated: 2025

### Smt. G.G. Khadse College, Muktinagar

B.Sc (Computer Science), Grade: 9.09 (Grade A)

Graduated: 2023

## Certifications

### Python, [Link](#) - [Certificate](#)

Sep 2023

- Coursera (3 months, 10 hours/week)

### IBM Data Science, [Link](#) - [Certificate](#)

Aug 2024

- Coursera (6 months, 10 hours/week)