

# Tushar Lawande

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## Summary

- ML Engineer and Data Scientist with 1+ year of experience building high-performance Python applications and real-time data systems. Skilled in machine learning, NLP, and large-scale data processing. Proven ability to deliver scalable, production-ready AI solutions solving complex real-world business challenges efficiently.

## 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 – Apr 2026

#### Micro Integrated Semiconductor Systems Pvt Ltd

- Engineered a high-performance 3D civil engineering design and measurement desktop application using PyQt5, VTK, Open3D, and MySQL at Micro Integrated, delivering a scalable, production-ready solution for accurate infrastructure modeling, precision analysis, and efficient road, bridge, and large-scale project execution.

### 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.

### Machine Learning Intern

May 2024 – June 2024

#### Cognifyz Technologies

- Developed and implemented machine learning models and data-driven analytics solutions using Python, delivering actionable insights for business optimization and decision-making.

### Data Science Intern

May 2024 – June 2024

#### CodSoft

- Developed machine learning models with high accuracy: 95% for Cat-Dog classification, 85% for Titanic survival prediction, and 96% for spam detection, improving overall predictive performance.

## 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  $R^2$  score through advanced feature engineering and validation.
- **Skills:** Machine Learning, Random Forest, Feature Engineering, Python, Pandas, NumPy, Scikit-learn

### 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, Muktainagar

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)