

SUMMARY

Aspiring Data Scientist and Software Developer with strong foundations in machine learning, data analysis, and cloud-native application deployment. Experienced in building and deploying end-to-end ML solutions using Python, SQL, AWS, and Docker. Passionate about solving real-world problems through technology and continuously learning in fast-paced environments.

SKILLS

Programming & Tools

- **Languages** - Python, SQL, JavaScript, Java
- **Data Science** - pandas, NumPy, scikit-learn, PyTorch, Matplotlib, Seaborn
- **Data Engineering** - ETL pipelines, Airflow (basic), PostgreSQL, BigQuery
- **Machine Learning** - Supervised learning, CNNs, Transformers, LLMs
- **Web Dev & APIs** - React.js, Node.js, HTML/CSS, RESTful APIs
- **Deployment & Infra** - Docker, Kubernetes, AWS (EC2, S3, Lambda), CI/CD
- **Tools** - Jupyter, Git, VSCode, Linux, Google Colab

Soft Skills

- Team collaboration, Critical thinking, Problem solving, Communication, Adaptability

PROJECTS

ASL Detection using Computer Vision

- Developed a real-time American Sign Language recognition system using OpenCV and PyTorch.
- Trained a CNN on custom hand gesture dataset achieving 90% accuracy.
- Deployed with Flask on AWS EC2 using Docker for real-time inference via web interface.

Algorithmic Trading Bot

- Designed a trading bot using pandas and yfinance with RSI and moving average indicators.
- Backtested on 5 years of stock data and visualized returns using matplotlib.
- Implemented a rule-based decision engine to simulate buy/sell signals.

Large Language Model from Scratch

- Created a transformer-based mini language model in PyTorch.
- Built custom tokenizer, attention, and decoder layers to learn text sequences.
- Trained on public datasets to generate coherent text with minimal loss.

Student Data Dashboard

- Developed an interactive dashboard with Plotly Dash to visualize academic performance data.
- Used SQL for data filtering and integration, and deployed via Heroku with CI/CD.
- Included filter-based analysis for grades and attendance trends.

CERTIFICATIONS

ExcelR

Data Science Certification

- Completed in-depth training on machine learning, Python, statistics, SQL, Tableau, and cloud tools.

Offline
2024

EDUCATION

Savitribai Phule Pune University (SPPU University)

Master's in Computer Application (MCA)

Pune
2024–2026

Savitribai Phule Pune University (SPPU University)

Bachelor of Business Administration in Computer Application BBA(CA)

- Current CGPA: 8.14

Pune
2021–2024