








Shalavya Agrawal

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EDUCATION

Northeastern University , <i>Master of Science</i> 	09/2025 – present Boston, United States
Vellore Institute of Technology , <i>Bachelor of Technology</i> 	09/2021 – 07/2025 Vellore, India
Daly College , <i>Higher Secondary Education</i> 	03/2019 – 06/2021 Indore, India
CBSE 12th Board, Percentage-95.2%	

PROFESSIONAL EXPERIENCE

The Modern Data Company , <i>Product Intern</i> 	01/2025 – 04/2025 Indore, India
<ul style="list-style-type: none">Contributed to the development of Kairos, an AI-powered insights and diagnostic agent that reduced time-to-insight for enterprise clients by 40%.Designed and refined the ontology layer, improving cross-domain metric traceability by 30%.	
WebCraft IT , <i>Machine Learning Intern</i> 	06/2024 – 12/2024 Indore, India
<ul style="list-style-type: none">Worked on a sales forecasting models with 85% accuracy, enhancing client web-based solutions for reliable forecasting and strategic decision-making.Worked on end-to-end machine learning solutions to support data-driven insights and functionality.	
ASAP Tech , <i>Data Science Intern</i> 	12/2023 – 02/2024 Indore, India
<ul style="list-style-type: none">Implemented a fraud detection models, reducing client fraud risk by 25% within ERP-based financial systems.Enhanced model performance by 30% using anomaly detection and feature engineering, supporting secure ERP solutions in financial security.	
Vinfotech Pvt. Ltd. , <i>Data Science Intern</i> 	09/2023 – 11/2023 Indore, India
<ul style="list-style-type: none">Engineered a machine learning model to predict cricket match outcomes and scores using XGBoost for the Perfect Lineup website, improving prediction accuracy by 15%.Collaborated with the frontend team to integrate predictive analytics results into the website's user interface.	

PROJECTS

AI-Powered Business Insights Agent 
<ul style="list-style-type: none">Developed an AI-driven agent to connect siload business metrics to outcomes, enabling faster root-cause analysis for revenue-impacting issues by designing an ontology layer to map relationships across domains.Automated semantic modeling, SQL generation, and YAML configuration, reducing manual effort by ~60% and accelerating insight delivery.
SpeechFlow - AI Meeting Assistant 
<ul style="list-style-type: none">Developed an end-to-end meeting assistant using Whisper, PyAnnote, LangChain, and ChromaDB, achieving 95%+ transcription accuracy and reducing manual note-taking effort by ~80%.Automated generation of structured meeting summaries and task tickets via LLMs and Pydantic, enabling 3x faster action item tracking through an interactive Streamlit interface.
AgriPredict – Crop Disease Detection & Yield Prediction 
<ul style="list-style-type: none">Developed a dual-module web app using DenseNet CNNs and Random Forest Regressors achieving 95% accuracy in disease detection and <10% MAE in yield prediction across multiple crop types.Built an end-to-end solution with TensorFlow, OpenCV, and Flask, improving decision-making and reducing crop diagnosis and forecasting time by 70% for farmers and agronomists.
Chart Pattern + News Prediction Model 
<ul style="list-style-type: none">Developed a predictive model for automated chart pattern recognition using Lasso Regression to mark pivot points and with support and resistance levels, reducing manual effort by 70%, enabling accurate swing trading decisions.Integrated an LLM and Sentiment Analysis using MoneyControl API and Web Scraping to provide better market insights.


SKILLS

Technical and Tools	Management
Machine Learning, Deep Learning, Data Science, Data Analysis, PowerBi, PostgreSQL, MySQL, DBMS, C++, Python, Arduino, Advanced Excel, HTML, CSS, Java, JavaScript.	Entrepreneurship, Product Management, Marketing, Operations, Teamwork, Stock Market, Decision-Making, Conflict Resolution.

CERTIFICATES

AWS Academy Graduate 	Artificial Intelligence and Machine Learning 
AWS Academy Cloud Foundations 12/2023	Powered by Google Developers 11/2023
Complete Guide to TensorFlow for Deep Learning with Python	The Complete Node.js Developer Course 
Pierian Training 09/2022	Andrew Mead, Rob Percival 10/2023

PUBLICATIONS

Comparative Analysis of Air Quality Indices Across Five Eastern States of India Using ML Models and Pollutant Based Insights , <i>International Journal of Distributed Computing and Technology</i> 	12/2024
<ul style="list-style-type: none">Analyzed historical pollutant data (PM2.5, PM10, NO2, SO2, CO, O3) sourced from the Central Pollution Control Board (CPCB).Employed machine learning models like AdaBoost and XGBoost to predict Air Quality Index (AQI) trends.	