

Abhiram Anil

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WORK EXPERIENCE

Codevantage	Coimbatore • 09/2025 - Present
HR Analyst & Automation Specialist • Full-time	
Responsible for analyzing people data, improving employee experience, and building HR automation workflows to streamline operations. Acted as the bridge between leadership and employees by creating rituals, processes, and dashboards that improved productivity, culture, and performance visibility.	
Symega Food Ingredients Limited	Ernakulam • 04/2025 - 09/2025
Logistics • Internship	
• Gained hands-on experience with SAP logistics modules for tracking shipments, managing dispatch records, and processing tax invoices and e-way bills.	
• Conducted independent analysis on dispatch throughput and proposed a predictive delivery model using Python and machine learning to enhance accuracy in delivery forecasting.	

EDUCATION

Master of Science in Data Science with Logistics and Supply Chain Management	
Amrita Vishwa Vidyapeetham • GPA: 8.39	Coimbatore • 09/2023 - 05/2025
Bachelor of Computer Applications in Data Science	
Amrita Vishwa Vidyapeetham • GPA: 7.5	Kollam • 01/2020 - 01/2023
Higher Secondary Education	
Bharatiya Vidya Bhavan's Vidya Mandir • GPA: 79.8%	Irinjalakuda • 01/2019 - 01/2020
Secondary School Education	
Bharatiya Vidya Bhavan's Vidya Mandir • GPA: 82.7%	Irinjalakuda • 01/2017 - 01/2018

CERTIFICATIONS

Introduction to Data Engineering	04/2023 - 05/2023
IBM	
Data privacy for Information Architecture	03/2023 - 04/2023
IBM	
Data Analytics and Visualization Job Simulation	
Accenture	
Data Visualization: Empowering Business with Effective Insights	
TATA Group	
Data Analytics	
NULLCLASS	

PROJECTS

A Comparative Study of Hybrid Machine Learning Models for Stock Price Prediction	12/2024 - 04/2025
Engineered a hybrid machine learning model using Exponential Smoothing-Decision Tree Regressor and LSTM-Random Forest; improved stock price prediction accuracy by 15% compared to traditional models.	

Medical Image Analysis using Deep Learning Models

12/2023 - 05/2024

- Evaluated and compared the performance of deep learning models including MobileNet, VGG-19, CNNs, and Swin Transformer on a medical image dataset, achieving up to 92% classification accuracy.
- Identified Swin Transformer as the most effective model for fine-grained classification, reducing false positives by 18% compared to traditional CNN architectures.

Detection of Parkinson's Disease Using Machine Learning Algorithms

10/2023 - 04/2024

- Developed and fine-tuned machine learning models (Decision Tree, KNN, SVM) for early-stage Parkinson's disease prediction, achieving up to 91% accuracy using optimized feature selection and cross-validation.
- Built and deployed a user-friendly web-based interface using Django, enabling real-time predictions and improving accessibility for non-technical users and healthcare professionals.

Ultrasonic radar system for vehicle using IOT

11/2023 - 04/2024

- Designed and built a real-time ultrasonic radar system for vehicle blind-spot detection using Arduino Nano, achieving over 95% obstacle detection accuracy within a 3-meter range.
- Improved driver safety awareness by developing a simple and cost-effective prototype for real-time monitoring of rear and side blind zones.

Reducing Complexity: A Comparative Analysis of Dimensionality-Reduction Techniques

03/2022 - 03/2023

- Developed and implemented a Singular Value Decomposition (SVD) model that reduced feature dimensions by over 60%, improving model training speed and reducing memory usage in high-dimensional datasets.
- Contributed to project design, model validation, and presentation of results, enhancing understanding of dimensionality-reduction techniques among peers.

PUBLICATIONS

Reducing Complexity: A Comparative Analysis of Dimensionality-Reduction Techniques

10/2023

ResearchGate

SKILLS

Programming Languages

- Python (Proficient)
- R- Programming (Beginner)
- SQL (Intermediate)

Database and Language

- Excel
- Matplotlib
- Mongo DB
- Numpy
- Pandas
- Power BI
- Seaborn
- SQL

Frameworks

- Bootstrap
- Django
- Flask
- React JS
- Scikit- learn
- TensorFlow

Version Control Tools and IDE

- Github
- RStudio
- SAP
- Visual Studio Code

Course Work

- Cloud Computing
- Inventory Control
- Mining of Massive Dataset
- Multimodal Transportation
- Pattern Recognition
- Supply Chain Management

Soft Skills

- Collaboration
- Communication
- Leadership
- Planning
- Teamwork
- Time Management