

# Abhiram Anil

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## WORK EXPERIENCE

<b>Codevantage</b> <b>HR Analyst &amp; Automation Specialist • Full-time</b> 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.	<b>Coimbatore • 09/2025 - Present</b>
<b>Symega Food Ingredients Limited</b> <b>Logistics • Internship</b> <ul style="list-style-type: none"><li>Gained hands-on experience with SAP logistics modules for tracking shipments, managing dispatch records, and processing tax invoices and e-way bills.</li><li>Conducted independent analysis on dispatch throughput and proposed a predictive delivery model using Python and machine learning to enhance accuracy in delivery forecasting.</li></ul>	<b>Ernakulam • 04/2025 - 09/2025</b>

## EDUCATION

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

## CERTIFICATIONS

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

## PROJECTS

<b>A Comparative Study of Hybrid Machine Learning Models for Stock Price Prediction</b> 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.	<b>12/2024 - 04/2025</b>
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## 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