

# Vinaya A

Data Scientist & Junior Developer

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## OBJECTIVE

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A 2024 B.Tech graduate specialized in Artificial Intelligence and Data Science, with a strong foundation in programming, machine learning, and data analysis. Highly motivated to apply technical and analytical skills in solving real-world problems. Eager to contribute to impactful projects within a dynamic and collaborative team environment, while continuously learning and growing as a Data Scientist and Developer.

## EDUCATION

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### Jyothi Engineering College, Thrissur, Kerala

B.Tech in Artificial Intelligence and Data Science  
2020 – 2024

### KPSMM HSS Varode, Palakkad, Kerala

Senior Secondary — DHSE  
2018 – 2020

### LSN GHS Ottapalam, Palakkad, Kerala

SSLC  
2017 – 2018

## SKILLS

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- **Programming Languages:** Python, C (Basics), SQL
- **Machine Learning:** Regression, Classification, Clustering
- **Deep Learning:** Convolutional Neural Networks (CNN), Recurrent Neural Networks (RNN), Natural Language Processing (NLP)
- **Libraries Frameworks:** NumPy, Pandas, Matplotlib, Seaborn, Scikit-learn, TensorFlow
- **Tools Platforms:** Jupyter Notebook, Google Colab, Microsoft Excel, Tableau, Power BI
- **Soft Skills:** Communication, Active Listening, Team Collaboration, Problem-Solving, Attention to Detail, Adaptability, Self-Motivation

## PROJECTS

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### Stock Market Prediction and Analysis Using AI

Developed a stock prediction application that compares three regression models and selects the best-performing one to forecast future stock prices with higher accuracy. Emphasis was placed on evaluating model performance and interpretability.

Technologies used: Python, Linear Regression, Support Vector Machine (SVM), Random Forest Regression

### Navigation Assistance System for Visually Impaired

Designed an intelligent assistive system to support visually impaired individuals in real-time obstacle detection and navigation. Leveraged deep learning models including YOLO, MobileNet, and RNN, integrated with audio feedback to guide users safely and effectively.

Technologies used: MobileNet, YOLO, RNN, CNN, Web App Development, Audio Output Systems

## WORKSHOPS / INTERNSHIPS

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- Completed skill training in Data Science and Artificial Intelligence at Avodha Edutech Pvt Ltd (Certificate issued: 26 May 2025)
- 2-day Workshop: Artificial Intelligence in Space Technology, NOVA 3.0, March 2023
- Internship: 1-week Data Science at Pace Lab, Kochi
- Workshop: Cyber Security and Ethical Hacking, IIT Delhi (Tryst'24), Nov 2023

## ACHIEVEMENTS

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- Completed 2-Day Startup Bootcamp by TATA JYOTHI IIC, June 2022
- 3rd Place in KICKSTART Startup Workshop (2021–2022)
- 2nd Place in YUKTHI-2024 Project Expo at JEC

## LANGUAGES

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English, Malayalam, Tamil, Hindi

## INTERESTS

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Machine Learning, Deep Learning, Data Science, Artificial Intelligence, Robotics, Automation.

## DECLARATION

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I hereby declare that the information provided above is true to the best of my knowledge.

Date: 27/06/2025

Place: Palakkad