

Ajay Varsan R

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CAREER OBJECTIVE

I am eager to start my career with your organization, leveraging my skills to drive innovation and deliver results. Committed to continuous learning and growth, I strive to excel in my role. I aim to make meaningful contributions to the organization's success.

EDUCATION

Bachelor of Technology in Artificial intelligence & data science	2025
Secured: 7.62 CGPA	
Dhanalakshmi Srinivasan University - Samayapuram, Trichy.	
12th standard	2021
Secured: 82%	
Christ The King Matriculation Higher Secondary School - Kumbakonam.	
10th standard	2019
Secured: 81%	
St Anne's Matriculation Higher Secondary School - Kumbakonam.	

PROFESSIONAL SKILLS

- Programming Languages:** Python, Java, JavaScript, SQL, HTML, CSS.
- Frameworks & Libraries:** React, Node, Express, NumPy, Pandas, Matplotlib, Seaborn, Scikit-learn, TensorFlow, Keras, Streamlit.
- Tools & Platforms:** VS Code, Git, GitHub, Jupyter Notebook, Google Colab, Anaconda, Power BI, Canva.
- Databases:** MySQL, PostgreSQL.
- Operating Systems:** Windows, Linux (Ubuntu).
- Soft Skills:** Active Listening, Team Co-ordination, Adaptability, Time-management, Analytical Skill.

EXPERIENCE

UptoSkills	Oct 2024 - Nov 2024
AI & ML Intern	
Worked on AI/ML concepts with hands-on exposure to model building and deployment. Gained practical experience in Python, data preprocessing, and algorithm implementation.	
1Stop.ai	Aug 2024 - Sept 2024
AI Intern	
Collaborated with a team to design AI-based solutions, improving prediction accuracy for real-world use cases.	
Knowledge Solutions India Pvt Ltd.	Nov 2022 - Jan 2023
ML Intern	
Assisted in developing and training ML models for predictive analytics. Improved skills in feature engineering, evaluation metrics, and practical ML workflows.	

PROJECTS

AI Document Question-Answering System (RAG-based)	Dec 2025 - Jan 2026
Built an AI backend application that enables users to upload documents and ask natural-language questions, generating context-aware answers using a Retrieval-Augmented Generation (RAG) pipeline with Ollama. Implemented document parsing, text chunking, embeddings, vector similarity search, and RESTful APIs for real-time document intelligence.	
Tech stack: Python, FastAPI, LangChain, Ollama (LLMs), Sentence Transformers, FAISS, PyPDF	

A Blog Web Application

Nov 2025

A web application where users can create, view, edit, and delete blog posts. It uses in-memory data storage, handles API requests on the backend, and offers a responsive, user-friendly interface on the frontend on the browser.

Tech stack: React, Node, Express, PostgreSQL, OAuth.

Note Keeper App

Sept 2025

A web application that lets users create and manage notes stored in memory. It offers a simple, intuitive interface styled like Google Keep, providing a responsive and user-friendly experience on both desktop and mobile devices.

Tech stack: React, Node.js, Express, PostgreSQL, OAuth.

Hybrid Time Series Forecasting Enhancing Stock Price Prediction with Prophet-LSTM-ARIMA

May 2025

To forecast future stock prices using historical stock data from yfinance by combining Prophet, LSTM, and ARIMA models for improved accuracy.

Tech stack: Python, Prophet, Keras (LSTM), statsmodels (ARIMA), yfinance, Pandas, NumPy.

StockMarket Forecasting using Machine learning

Aug 2024

To forecast future stock prices using historical stock data from the library yfinance with the Prophet model.

Tech stack: Python, Prophet, yfinance, Pandas, Scikit-learn.

Image Classification using Artificial Neural Network and Convolution Neural Network

Apr 2024

To classify the built-in keras dataset called fashion MNIST based on their characteristics using ANN. To classify the built-in Keras dataset called Fashion MNIST based on their characteristics using ANN and CNN.

Tech stack: Python, TensorFlow, Keras, NumPy, Matplotlib.

CERTIFICATIONS

Full-Stack Web Development

Udemy

Barclays LifeSkills Programme

GTT Foundation

Building AI Agents: Advanced Techniques for Developers

LinkedIn

Deep Learning

Internshala

Machine Learning using Python

Mentorr Buddy

Oracle Certified AI

Foundations Associate

Oracle University

Advanced Typing (60 WPM)

Typing.com

Elements of AI

University of Helsinki

LEADERSHIP

Acted as President of IETE Student Forum and organized a plethora of events over the 2 years under this forum at Dhanalakshmi Srinivasan University.

Acted as student co-ordinator and lead a team of 25 members for the Symposium named "Biocircuitronics-2024" at Dhanalakshmi Srinivasan University.

Acted as student co-ordinator and lead team of 5 members for the hackathon named "HACKD-22" at Dhanalakshmi Srinivasan University.