

# 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-odination, 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.

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**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

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**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.