

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.
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EXPERIENCE

UptoSkills - AI & ML Intern **Oct 2024 - Nov 2024**

- **Assisted in developing an AI-based online exam proctoring system** to monitor candidate activity and detect suspicious behavior during assessments.
- **Implemented tab and window-switching detection using JavaScript** event listeners and backend logging with Node.js, integrating activity tracking with Python-based monitoring modules.
- **Deployed the system on Render (cloud platform)**, enabling real-time monitoring and improving exam integrity through automated malpractice detection.

1Stop.ai - AI Intern **Aug 2024 - Sept 2024**

- **Built deep learning models including ANN and CNN** for computer vision tasks, focusing on handwritten character recognition and animation/character detection.
- **Designed and trained complex neural network architectures** using TensorFlow and Keras, performing data preprocessing, augmentation, and hyperparameter tuning to improve performance.
- **Improved model accuracy and classification reliability**, strengthening real-world application of deep learning in pattern recognition and image-based AI systems.

Knowledge Solutions India Pvt Ltd. - ML Intern **Nov 2022 - Jan 2023**

- **Analyzed PlayStation application data and user reviews** to evaluate app performance and user sentiment using machine learning techniques.
- **Performed data cleaning, text preprocessing, feature extraction (TF-IDF/Vectorization), and built ML models using Python, Pandas, and Scikit-learn** to classify user feedback and identify performance trends.
- **Generated actionable insights on user satisfaction and app reliability**, helping identify improvement areas through sentiment analysis and predictive modeling.

PROJECTS

AI Document Question-Answering System (RAG-based) | [Link](#)

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 | [Link](#)

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.

Note Keeper App | [Link](#)

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.

Hybrid Time Series Forecasting Enhancing Stock Price Prediction | [Link](#) 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 | [Link](#)

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 | [Link](#)

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

Knowledge Solutions India

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.