Albert Raj

AIML Engineer (Fresher)

Career Objective

Motivated AIML fresher with a B.Tech in Information Technology (87%) seeking an entry-level role to apply machine learning and data engineering skills. Passionate about building end-to-end ML solutions and learning production-level deployment workflows.

Education

B.Tech — Information Technology
Christian College of Engineering and Technology, Oddanchathram
Percentage: **87%**
Graduation Year: 2025
Relevant coursework: Machine Learning, Data Structures, Databases, Networks.

Projects (Selected)

Google Pay-style Expense Sharing App
Full-stack project implementing group expense tracking, settlements, and summaries. Backend APIs for authentication and transactions; front-end UI for creating groups, adding expenses, and viewing balances. (Repo: albertraj163)

Car Price Prediction (Cardeko-inspired)
Regression pipeline to predict used car prices: data cleaning, outlier handling, feature engineering, model selection (Random Forest / XGBoost), and evaluation (MAE / RMSE). Included exploratory visualizations and documentation.

Tesla Stock Forecasting (LSTM)
Time-series forecasting using LSTM networks. Data collection, normalization, model training, and hyperparameter tuning for improved accuracy.

AI/ML Portfolio Website
Personal portfolio showcasing projects, GitHub links, and resume. Built with HTML/CSS and deployed on GitHub Pages for recruiters and demo sharing.

Academic Achievements & Activities

- Scored 87% in B.Tech Information Technology.
- Participated in multiple AI/ML workshops and coding hackathons.
- Created multiple end-to-end ML projects with full documentation.

Technical Summary

Languages	Python, C, Java, SQL, PHP
Libraries	pandas, NumPy, scikit-learn, TensorFlow, PyTorch
Tools	Git, Docker (basic), Linux, Jupyter
Databases	MySQL, SQLite

Contact

Location: India
Email: albertraj845@gmail.com
Phone: +91 8825760417
GitHub: github.com/albertraj163
LinkedIn: linkedin.com/in/albert-raj

Core Skills

- Machine Learning: supervised models, deep learning (CNN, LSTM)
- Data preprocessing, feature engineering, EDA
- Frameworks: TensorFlow, PyTorch, scikit-learn
- Programming: Python, SQL, C, Java, PHP, HTML/CSS
- Tools: pandas, NumPy, Matplotlib, Git, Linux, Docker (basic)
- Model evaluation, visualization, and deployment basics

Certificates

- **Machine Learning with Python** — Coursera. Regression, classification, model pipelines.
- **Deep Learning with TensorFlow** — Google Developer. CNNs and practical NN training.
- **Network Security Essentials** — Cisco. Basics of IPSec, TLS, SSH.
- **API Security & VAPT Fundamentals** — Udemy. Auth, encryption, and testing fundamentals.
- **Python for Data Science** — NPTEL. Practical Python & pandas projects.
- **Git & Version Control** — Simplilearn. Branching, merges, GitHub workflows.

Languages

- English — Fluent
- Tamil — Native
- Programming — Python, C, Java, SQL, PHP, HTML/CSS

Interests

AI/ML research, time-series forecasting, NLP, computer vision, data visualization, cybersecurity.